

Life Science Product Catalog

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Magnetic Beads - Inhibitor Cocktails - Cell Counting Kit-8 - RT & qPCR Master Mix

Inhibitory Antibodies - Peptides - Dye Reagents - Biochemical Assay Reagents - Recombinant Proteins

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Validation

Our products biological activities are validated by worldwide customers and published in the top scientific journals.

Partner

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Inhibitor Cocktails

- Protease Inhibitor Cocktails
- Phosphatase Inhibitor Cocktails
- Deacetylase Inhibitor Cocktail

Protease Inhibitor Cocktails

Cat. No.	Product Name	Information														
HY-K0010	Protease Inhibitor Cocktail (Solution, EDTA-Free, 100x in DMSO)	<p>Protease inhibitor cocktail increases protein stability in mammalian cell lysates or tissue extracts.</p> <p>Applications: Western Blot, Co-IP, pull-down, IF, IHC, kinase assay, etc.</p> <table border="1"> <thead> <tr> <th>Ingredient</th> <th>Target</th> </tr> </thead> <tbody> <tr> <td>AEBSF</td> <td>Serine proteases</td> </tr> <tr> <td>Aprotinin</td> <td>Serine proteases</td> </tr> <tr> <td>Bestatin</td> <td>Aminopeptidases</td> </tr> <tr> <td>E-64</td> <td>Cysteine proteases</td> </tr> <tr> <td>Leupeptin</td> <td>Serine and cysteine proteases</td> </tr> <tr> <td>Pepstatin A</td> <td>Aspartic proteases</td> </tr> </tbody> </table>	Ingredient	Target	AEBSF	Serine proteases	Aprotinin	Serine proteases	Bestatin	Aminopeptidases	E-64	Cysteine proteases	Leupeptin	Serine and cysteine proteases	Pepstatin A	Aspartic proteases
Ingredient	Target															
AEBSF	Serine proteases															
Aprotinin	Serine proteases															
Bestatin	Aminopeptidases															
E-64	Cysteine proteases															
Leupeptin	Serine and cysteine proteases															
Pepstatin A	Aspartic proteases															
HY-K0011	Protease Inhibitor Cocktail, mini-Tablet (EDTA-Free)	<p>Protease inhibitor cocktail increases protein stability in mammalian cell lysates or tissue extracts.</p> <p>One mini-Tablet can be directly added to 10 mL cell/tissue lysis buffer.</p> <p>Applications: Western Blot, Co-IP, pull-down, IF, IHC, kinase assay, etc.</p> <table border="1"> <thead> <tr> <th>Ingredient</th> <th>Target</th> </tr> </thead> <tbody> <tr> <td>AEBSF</td> <td>Serine proteases</td> </tr> <tr> <td>Aprotinin</td> <td>Serine proteases</td> </tr> <tr> <td>Bestatin</td> <td>Aminopeptidases</td> </tr> <tr> <td>E-64</td> <td>Cysteine proteases</td> </tr> <tr> <td>Leupeptin</td> <td>Serine and cysteine proteases</td> </tr> </tbody> </table>	Ingredient	Target	AEBSF	Serine proteases	Aprotinin	Serine proteases	Bestatin	Aminopeptidases	E-64	Cysteine proteases	Leupeptin	Serine and cysteine proteases		
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AEBSF	Serine proteases															
Aprotinin	Serine proteases															
Bestatin	Aminopeptidases															
E-64	Cysteine proteases															
Leupeptin	Serine and cysteine proteases															

Customer Validation

Bcl-2 proteins from thyroid cancer cell line 8505C lysates are incubated with **Protease Inhibitor Cocktail** (Cat. No.: HY-K0010) for 6 h and 12 h at room temperature, respectively. According to the western blot results, MCE Protease Inhibitor Cocktail performs the best among the three brands.





Phosphatase Inhibitor Cocktails

Cat. No.	Product Name	Information												
HY-K0021	Phosphatase Inhibitor Cocktail I (100x in DMSO)	Phosphatase Inhibitor Cocktail I effectively inhibits alkaline phosphatases and serine/threonine protein phosphatases, such as PP1 and PP2A.												
		Applications: Western Blot, Co-IP, pull-down, IF, IHC, kinase assay, etc.												
		<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Target</th> </tr> </thead> <tbody> <tr> <td>(-)-p-Bromotetramisole oxalate</td> <td>Alkaline phosphatases</td> </tr> <tr> <td>Cantharidin</td> <td>Ser/Thr phosphatases</td> </tr> <tr> <td>Microcystin LR, <i>Microcystis aeruginosa</i></td> <td>PP1 and PP2A</td> </tr> </tbody> </table>	Ingredient	Target	(-)-p-Bromotetramisole oxalate	Alkaline phosphatases	Cantharidin	Ser/Thr phosphatases	Microcystin LR, <i>Microcystis aeruginosa</i>	PP1 and PP2A				
Ingredient	Target													
(-)-p-Bromotetramisole oxalate	Alkaline phosphatases													
Cantharidin	Ser/Thr phosphatases													
Microcystin LR, <i>Microcystis aeruginosa</i>	PP1 and PP2A													
HY-K0022	Phosphatase Inhibitor Cocktail II (100x in ddH ₂ O)	Phosphatase Inhibitor Cocktail II effectively inhibits acid and alkaline phosphatases as well as protein tyrosine phosphatases (PTPs).												
		Applications: Western Blot, Co-IP, pull-down, IF, IHC, kinase assay, etc.												
		<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Target</th> </tr> </thead> <tbody> <tr> <td>Sodium Fluoride</td> <td>Acid phosphatases</td> </tr> <tr> <td>Sodium Orthovanadate</td> <td>Alkaline phosphatases, PTPs, ATPases</td> </tr> <tr> <td>Sodium Tartrate Dihydrate</td> <td>Acid phosphatases</td> </tr> <tr> <td>Sodium Molybdate</td> <td>Acid and phosphoprotein phosphatases</td> </tr> <tr> <td>Imidazole</td> <td>Alkaline phosphatases</td> </tr> </tbody> </table>	Ingredient	Target	Sodium Fluoride	Acid phosphatases	Sodium Orthovanadate	Alkaline phosphatases, PTPs, ATPases	Sodium Tartrate Dihydrate	Acid phosphatases	Sodium Molybdate	Acid and phosphoprotein phosphatases	Imidazole	Alkaline phosphatases
Ingredient	Target													
Sodium Fluoride	Acid phosphatases													
Sodium Orthovanadate	Alkaline phosphatases, PTPs, ATPases													
Sodium Tartrate Dihydrate	Acid phosphatases													
Sodium Molybdate	Acid and phosphoprotein phosphatases													
Imidazole	Alkaline phosphatases													
HY-K0023	Phosphatase Inhibitor Cocktail III (100x in DMSO)	Phosphatase Inhibitor Cocktail III effectively inhibits serine/ threonine and alkaline phosphatases.												
		Applications: Western Blot, Co-IP, pull-down, IF, IHC, kinase assay, etc.												
		<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Target</th> </tr> </thead> <tbody> <tr> <td>(-)-p-Bromolevamisole oxalate</td> <td>Alkaline phosphatases</td> </tr> <tr> <td>Cantharidin</td> <td>Protein phosphatase 2A (PP2A)</td> </tr> <tr> <td>Calyculin A</td> <td>Protein phosphatases 1 and 2A (PP1 and PP2A)</td> </tr> </tbody> </table>	Ingredient	Target	(-)-p-Bromolevamisole oxalate	Alkaline phosphatases	Cantharidin	Protein phosphatase 2A (PP2A)	Calyculin A	Protein phosphatases 1 and 2A (PP1 and PP2A)				
Ingredient	Target													
(-)-p-Bromolevamisole oxalate	Alkaline phosphatases													
Cantharidin	Protein phosphatase 2A (PP2A)													
Calyculin A	Protein phosphatases 1 and 2A (PP1 and PP2A)													

Deacetylase Inhibitor Cocktail

Cat. No.	Product Name	Information										
HY-K0030	Deacetylase Inhibitor Cocktail (100x in 70% DMSO)	Deacetylase Inhibitor Cocktail is a combination of chemicals designed to preserve the acetylation state of proteins.										
		Applications: Western Blot, Flow Cytometry, IF, etc.										
		<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Target</th> </tr> </thead> <tbody> <tr> <td>Trichostatin A</td> <td>Class I/II HDAC</td> </tr> <tr> <td>EX-527</td> <td>SIRT</td> </tr> <tr> <td>Nicotinamide</td> <td>Class III HDAC</td> </tr> <tr> <td>Sodium Butyrate</td> <td>Class I/II HDAC</td> </tr> </tbody> </table>	Ingredient	Target	Trichostatin A	Class I/II HDAC	EX-527	SIRT	Nicotinamide	Class III HDAC	Sodium Butyrate	Class I/II HDAC
Ingredient	Target											
Trichostatin A	Class I/II HDAC											
EX-527	SIRT											
Nicotinamide	Class III HDAC											
Sodium Butyrate	Class I/II HDAC											

RT & qPCR Master Mix

RT Master Mix for qPCR
SYBR Green qPCR Master Mix

RT Master Mix for qPCR

MCE RT Master Mix for qPCR is a convenient, ready-to-use formulation for reverse transcription and the cDNA product can be directly applied as a template in a standard PCR and real time quantitative PCR.

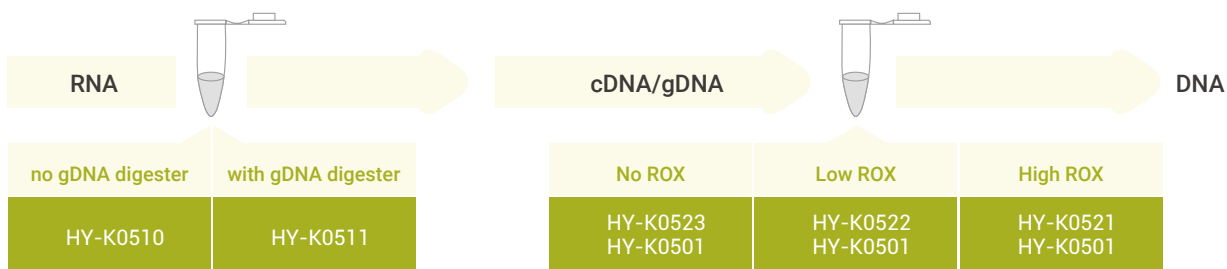
Cat. No.	Product Name	Application
HY-K0510	RT Master Mix for qPCR	Reverse Transcription
HY-K0511	RT Master Mix for qPCR (gDNA digester plus)	Reverse Transcription

SYBR Green qPCR Master Mix

MCE SYBR Green qPCR Master Mix is provided as a simple-to-use, stabilized 2x formulation that includes all components for qPCR except sample DNA, primers and water.

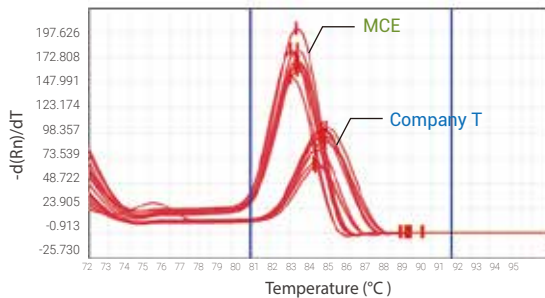
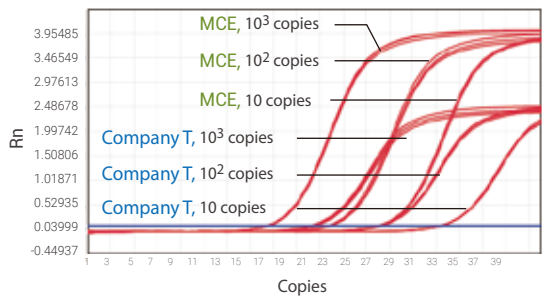
Cat. No.	Product Name	Application
HY-K0521	SYBR Green qPCR Master Mix (High ROX)	qPCR
HY-K0522	SYBR Green qPCR Master Mix (Low ROX)	qPCR
HY-K0523	SYBR Green qPCR Master Mix (No ROX)	qPCR
HY-K0501	SYBR Green qPCR Master Mix	qPCR

How to Choose

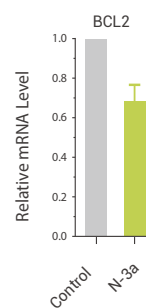
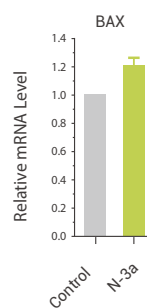
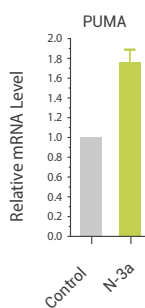
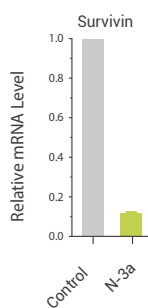
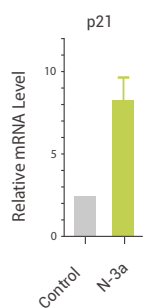
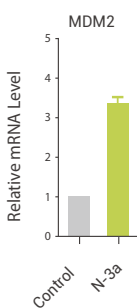
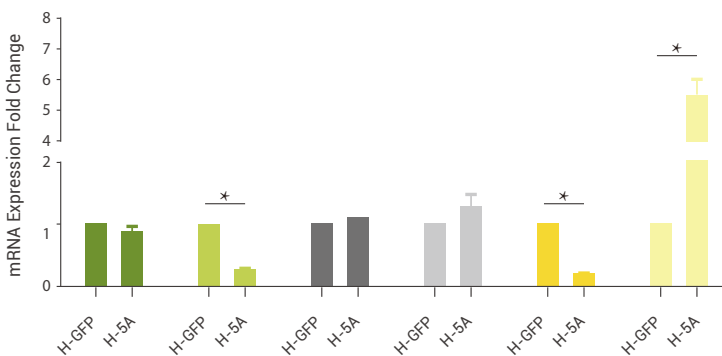




Brand Comparison



Customer Validations



Advantages

- Ready to use
- High sensitivity
- High reliability
- Passive reference dyes are provided for different qPCR instruments
- Optimized buffer
- High specificity

Magnetic Beads and Agarose

- Protein A Magnetic Beads
- Protein A/G Magnetic Beads
- Protein G Magnetic Beads
- Anti-HA Magnetic Beads
- Anti-c-Myc Magnetic Beads

- Anti-Flag Magnetic Beads
- Streptavidin Magnetic Beads
- Magnetic Stand
- Ni-NTA His-Tag Purification Agarose
- Affinity Chromatography Columns

Magnetic Beads

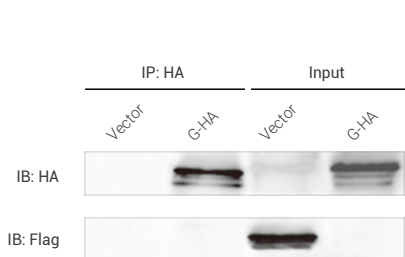
Product Name	Bead Diameter	Bead Concentration	Binding Capacity	Application	Recommended Dose
HY-K0202 Protein A/G Magnetic Beads	2 µm	10 mg/mL	0.5 mg/mL	IP, Co-IP, ChIP	25 µL
HY-K0203 Protein A Magnetic Beads	2 µm	10 mg/mL	0.5 mg/mL	IP, Co-IP, ChIP	25 µL
HY-K0204 Protein G Magnetic Beads	2 µm	10 mg/mL	0.5 mg/mL	IP, Co-IP, ChIP	25 µL
HY-K0201 Anti-HA Magnetic Beads	2 µm	10 mg/mL	>0.5 mg/mL	IP, Protein Purification	10 µL
HY-K0206 Anti-c-Myc Magnetic Beads	2 µm	10 mg/mL	>1 mg/mL	IP, Protein Purification	10 µL
HY-K0207 Anti-Flag Magnetic Beads	0.2 µm	10 mg/mL	>0.6 mg/mL	IP, Protein Purification	10 µL
HY-K0208 Streptavidin Magnetic Beads	1 µm	10 mg/mL	>1100 pmol/mg (Free Biotin) >20 µg/mg (Biotin-IgG) >500 pmol/mg (Biotinylated oligonucleotides)	IP, Protein Purification, Cell Isolation	-

Advantages

- Convenient and time saving
- High protein binding capacity
- Low non-specific binding
- Stable, one bottle solution
- Minimal sample loss

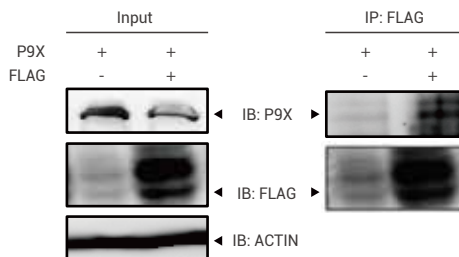


Customer Validations



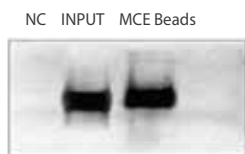
HY-K0201 Anti-HA Magnetic Beads

HA tag-fusion protein (130 kD) overexpressed in HEK 293T.



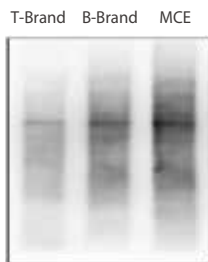
HY-K0202 Protein A/G Magnetic Beads

Co-Immunoprecipitation for Flag-tag protein and P9X protein from HEK 293T.



HY-K0206 Anti-c-Myc Magnetic Beads

Immunoprecipitation for c-Myc-tagged protein from HEK 293T.



HY-K0208 Streptavidin Magnetic Beads

Pull-down for target protein expressed in HEK 293T.

Magnetic Stand

The MCE Magnetic Stand is optimized for efficient magnetic separation of all types of MCE Magnetic Beads with sample volumes ranging from 10 μ L to 15 mL.



Cat. No.	Product Name	Size	Application
HY-K0200	MCE Magnetic Stand	200 μ L-2 mL-15 mL	IP, Co-IP, ChIP, Protein Purification, Cell Isolation

Ni-NTA His-Tag Purification Agarose

MCE Ni-NTA His-Tag Purification Agarose, a 6% highly cross-linked agarose reagent, enables high-yield, high-purity purification of his-tagged proteins.

Product Name	Component	Bead Diameter	Bead Concentration	Binding Capacity	Maximum Pressure
HY-K0210 Ni-NTA His-Tag Purification Agarose	6% highly cross-linked agarose	45-165 μm	50% slurry in a 20% ethanol solution	>40 mg/mL	0.3 MPa

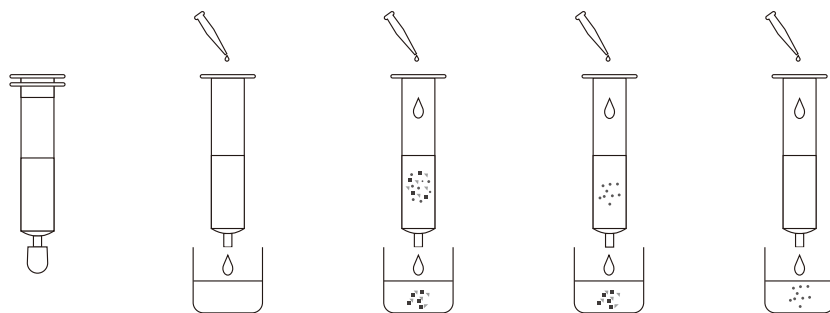
Advantages

- Low Ni^{2+} leakage
- High protein-binding capacity and stability
- Wide range of pH values
- High performance purification of His-tagged proteins

Affinity Chromatography Columns

Cat. No.	Product Name	Package
HY-K0221-1 mL	Affinity Chromatography Column-1 mL	10 pcs
HY-K0221-3 mL	Affinity Chromatography Column-3 mL	10 pcs
HY-K0221-6 mL	Affinity Chromatography Column-6 mL	10 pcs
HY-K0221-12 mL	Affinity Chromatography Column-12 mL	10 pcs
HY-K0221-30 mL	Affinity Chromatography Column-30 mL	5 pcs
HY-K0221-60 mL	Affinity Chromatography Column-60 mL	5 pcs

Column Reference



Load of AC media

Equilibrate

Load of Sample

Wash

Elute



Cell Counting Kit-8

Cat. No.: HY-K0301

Cell Counting Kit-8 (CCK-8) is a convenient, nonradioactive and one-step ready-to-use assay kit for determining the number of viable cells in cell proliferation and cytotoxicity assays.

MCE's CCK-8 Kit shows superb linearity, excellent stabilization and has been experimentally validated in the literature.

Applications

- Drug Screening Assays
- Cell Proliferation and Viability Assays
- Cell Cytotoxicity Assays
- Anti-tumor Drug Sensitivity Assays

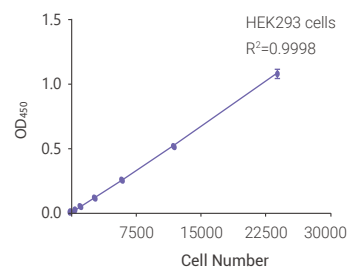
Superb Linearity

$R^2=0.9998$

Cell Line: HEK293

Medium: DMEM, 10% FBS

Incubation: 37°C, 5% CO₂, 2 hours



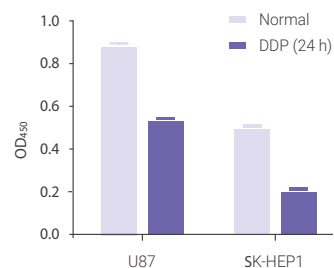
Customer Validation

Cell line: U87, SK-HEP1

Medium: DMEM, 10% FBS

Chemicals: 200 μ M Cisplatin (DDP)

Incubation: 37°C, 5% CO₂, 2 hours



Advantages

Assays	CCK-8	XTT	WST-1	MTT
Solubility	+	+	+	-
Property	1-Bottle Solution	2-Bottle Solution	1-Bottle Solution	Powder
Preparation	Ready to Use	Mix to Use	Ready to Use	Dissolve to Use
Sensitivity	++	++	++	+
Incubation Time	+++	++	++	+
Wavelength	430-490 nm	420-480 nm	420-480 nm	560-600 nm
Toxicity	-	-	-	+
Reagent Stability	++	-	+	+
HTS Adaption	++	++	++	+
Convenience	+++	++	++	+

More Kits

- JC-1 Mitochondrial Membrane Potential Assay Kit
- Antibody/Protein Labeling Kit – FITC
- RIPA Lysis Buffer (Strong)
- SYBR Green I Nucleic Acid Gel Stain
- Ultra High Sensitivity ECL Kit
- Phalloidin Dye Conjugates
- Red Nucleic Acid Gel Stain (10,000×)
- 3-Color Prestained Protein Marker (10-190 kDa)

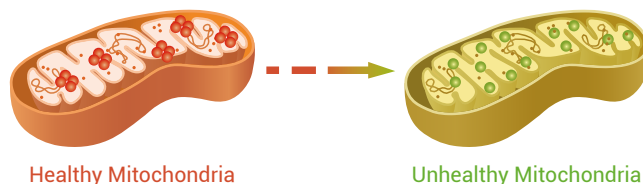
Cat. No.: HY-K0601

JC-1 Mitochondrial Membrane Potential Assay Kit

MCE JC-1 Mitochondrial Membrane Potential Assay Kit uses JC-1 to detect the mitochondrial membrane potential in variety of cell types, as well as intact tissues and isolated mitochondria.

Applications

- Detection of mitochondrial membrane potential
- Detection of early apoptotic phase



Cat. No.: HY-K0701

Antibody/Protein Labeling Kit – FITC

Antibody/Protein Labeling Kit – FITC is used for protein fluorescent labeling. Spin Desalting Columns contained in this kit offer exceptional desalting for protein samples (>5 kDa).



Advantages

- High fluorescence brightness
- Convenient desalination and purification
- Excellent labeling efficiency



Cat. No.: HY-K1001

RIPA Lysis Buffer (Strong)

MCE RIPA Lysis Buffer is one of the most reliable buffers used to lyse cells from both cultured cells and tissues.

Applications

- Reporter Assays
- Protein Kinase Assays
- Immunoassays
- Protein Purification

Cat. No.: HY-K1004

SYBR Green I Nucleic Acid Gel Stain

SYBR Green I Nucleic Acid Gel Stain is one of the most sensitive stains available for detecting double-stranded DNA (dsDNA) in agarose and polyacrylamide gels.

Advantages

- **High sensitivity:** Detect as little as 20 pg dsDNA per band
- **High signal-to-noise ratio:** Strong fluorescence signal of the sample, low background signal
- **Strong applicability:** Suitable for agarose gel or polyacrylamide gel electrophoresis; used for dsDNA, ssDNA or RNA staining
- No destaining or washing steps, compatible with different testing equipments

Cat. No.: HY-K1005

Ultra High Sensitivity ECL Kit

MCE Ultra High Sensitivity ECL Kit is an ultra-sensitive, luminol-based enhanced chemiluminescent substrate for detecting horseradish peroxidase (HRP) labeled antibodies on western blots.

Phalloidin Dye Conjugates

Phalloidin Dye Conjugates are 1000x stock solution in DMSO which is convenient for labeling, identifying and quantitating F-actins in formaldehyde-fixed and permeabilized tissue sections, cell cultures or cell-free experiments.

Cat. No.	Product Name	Fluorescence	Application
HY-K0901	AMCA Phalloidin	Blue	Labeling F-actins
HY-K0902	Fluorescein Phalloidin	Green	Labeling F-actins
HY-K0903	Rhodamine Phalloidin	Orange	Labeling F-actins

Cat. No.: HY-K1007

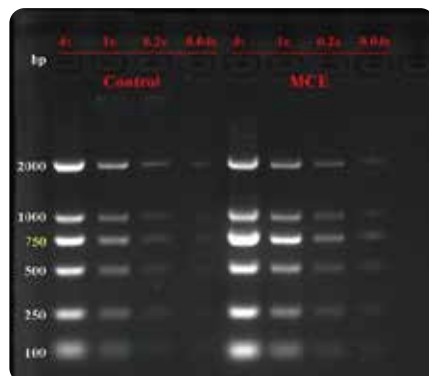
Red Nucleic Acid Gel Stain (10,000×)

Red Nucleic Acid Gel Stain (10,000×) is a nucleic acid stain that can be used as a safer alternative to the traditional ethidium bromide (EB) stain for detecting nucleic acids in agarose gels or polyacrylamide gels.

Advantages

- Impenetrable to cell membrane
- **High sensitivity:** more sensitively than EB
- **High signal-to-noise ratio:** strong fluorescence signal of the sample, low background signal
- **Strong applicability:** staining dsDNA, ssDNA or RNA
- **Easy to use:** similar to EB; no need to change the buffers or testing equipments

Results of MCE and comparison brand dyes in gel electrophoresis of nucleic acids.

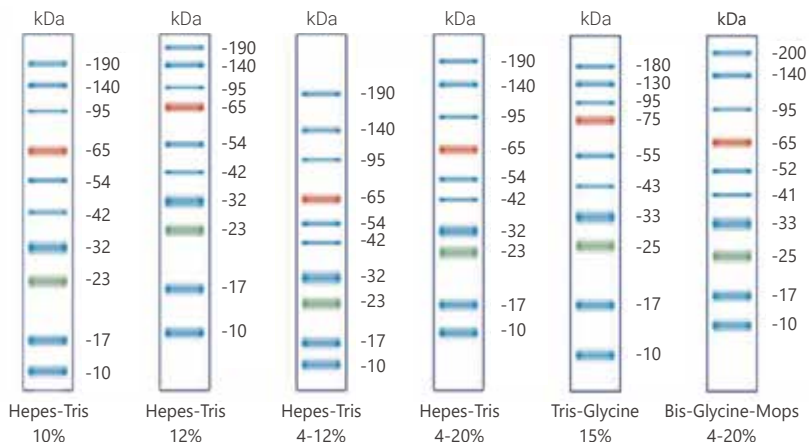


Cat. No.: HY-K1011

3-Color Prestained Protein Marker (10-190 kDa)

MCE 3-Color Prestained Protein Marker (10-190 kDa) is a three-color protein standard with 10 prestained proteins ranging from 10 kDa to 190 kDa.

Migration Patterns of 3-Color Prestained Protein Marker (10-190 kDa)





Inhibitory Antibodies

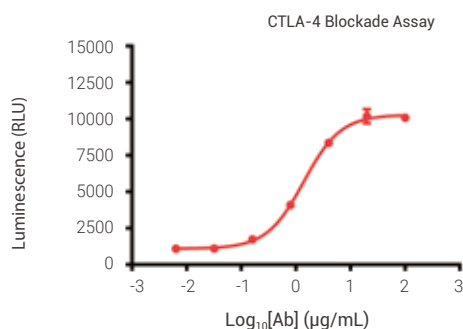
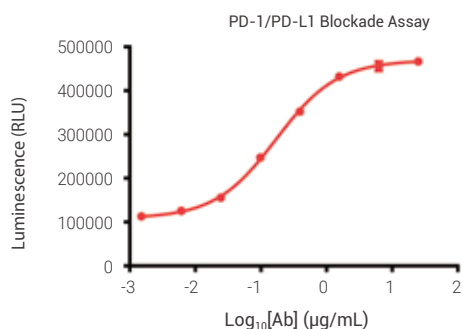
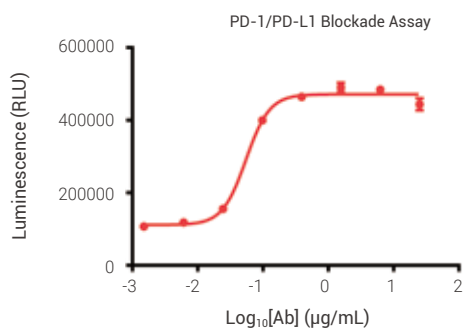
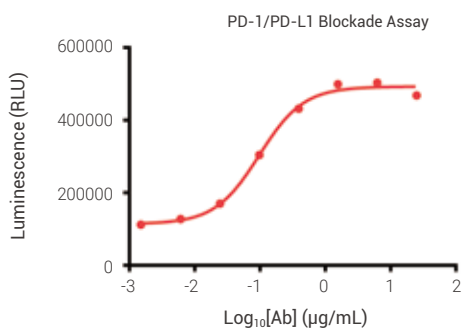
MCE Inhibitory Antibodies are monoclonal antibodies (mAbs) that have been extensively used in the hottest research areas, such as cancer, immunology and infection.

These monoclonal antibodies (mAbs) bind monospecifically to targeted cells or proteins, either stimulating the immune system to attack the malignant tumor cells or preventing tumor growth by blocking specific cell receptors. Targets include PD-1, PD-L1, EGFR, VEGFR, TNF-alpha etc. Those mAbs have been used or tested in clinical practice to treat diseases such as non-Hodgkin lymphoma, Hemophilia A, renal cell carcinoma, Parkinson's disease and metastatic HER2-positive breast cancer.

Advantages

- Covering a broad range of targets in the hottest research areas
- High purity: $\geq 98\%$
- Low endotoxin: <1 EU/mg
- Biological activity confirmed by cell assays
- In vivo grade antibodies

Blockade Bioassay Validations



Peptides

Tag Peptides
Hot Peptides
Custom Peptide Synthesis

Peptides are often used in functional analysis, antibody research, vaccine research and especially in the field of drug research and development. Peptides have a variety of biological functions, such as, anti-thrombosis, anti-hypertension, antibacteria, antiviral, anticancer and antioxidation, immunoregulation, and cholesterol-lowering effects.

MedChemExpress (MCE) offers a wide range of tag peptides, amino acid derivatives, blocking peptides, and bioactive peptides to customers.

Advantages

- Innovation and diversification
- High purity and excellent activity
- Thorough analytical tests
- In-stock and fast delivery
- Professional technical support

Applications

Epitope mapping, Enzyme specificity and enzymatic mechanisms, Identification/synthesis of posttranslational modifications, Blocking and competition assays of proteases, Biological effects of defined peptides, Non-quantitative enzyme-substrate studies, Antibody-antigen interactions, Non-quantitative peptide blocking studies, Structure/dynamics/folding of peptides and proteins.

Tag Peptides

(extensively used to isolate, purify, detect, and track the protein of interest in cell biology and biochemistry)

Cat. No.	Product Name	Information
HY-P0319	3X FLAG peptide	3X FLAG Peptide is a synthetic peptide with a 3-time repeated DYKXXD motif.
HY-P0239	HA Peptide	HA Peptide (HA tag) is a nine amino acids peptide derived from the human influenza hemagglutinin (HA).
HY-P0312	c-Myc Peptide Trifluoroacetate	c-Myc Peptide is a synthetic peptide corresponding to the C-terminal amino acids (410-419) of human c-myc protein.
HY-P0294	Hexa-His	Hexa-His is a peptide consisting of 6 His residues.
HY-P0327	T7 Tag Peptide	T7 Tag Peptide is a 11 amino acid peptide derived from the T7 major capsid protein.
HY-P0223	FLAG peptide	FLAG peptide is an eight amino acid peptide (Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys) with an enterokinase-cleavage site; designed for antibody-mediated identification and purification of recombinant proteins.
HY-P0325	V5 Epitope Tag Peptide	V5 Epitope Tag Peptide is a tag peptide derived from a small epitope present on the P and V proteins of the paramyxovirus of simian virus 5.

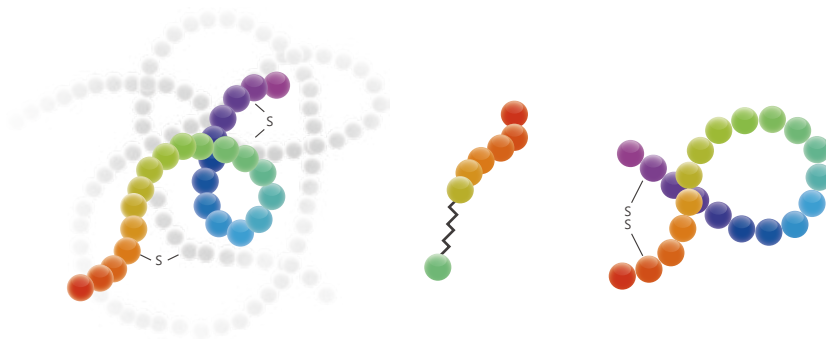


Cat. No.	Product Name	Information
HY-P0329	X-press Tag Peptide	X-press Tag Peptide is a tag peptide used for protein purification. X-press Tag is also an N-terminal leader peptide.
HY-P0326	S Tag Peptide	S Tag Peptide is a 15 amino acid peptide derived from RNase A.
HY-P0328	VSV-G Peptide	VSV-G Peptide is a 11 amino acid peptide derived from the Vesicular Stomatitis viral glycoprotein.

Hot Peptides

Cat. No.	Product Name	Information
HY-16658	Z-VAD(OMe)-FMK	Z-VAD (OMe)-FMK is a cell-permeable, pan-caspase inhibitor.
HY-P1156	Insulin (cattle)	Insulin cattle is a polypeptide hormone that regulates glucose metabolism in pancreatic islet B-cells.
HY-P0265	β -Amyloid 1-40	β -Amyloid (1-40) is a primary protein in plaques found in the brains of patients with Alzheimer's disease.
HY-P0252	α -Melanocyte-Stimulating Hormone (MSH), amide	α -Melanocyte-Stimulating Hormone (MSH), amide stimulates melanocortin 1 receptor that results in the activation of adenylyl cyclase.
HY-P0216	A 779	A 779 is a specific antagonist of G-protein coupled receptor (Mas receptor), which is an Ang1-7 receptor distinct from the classical AngII.
HY-P0201	Substance P	Substance P is a neuropeptide, acting as a neurotransmitter and as a neuromodulator.
HY-P0175	740 Y-P	740 Y-P (PDGFR 740Y-P) is a potent and cell permeable PI3K activator.
HY-101297	Z-IETD-FMK	Z-IETD-FMK is a selective and cell permeable caspase 8 inhibitor.
HY-13443	Exendin-4	Exendin-4, a 39 amino acid peptide, is a long-acting glucagon-like peptide -1 receptor agonist with an IC ₅₀ of 3.22 nM.
HY-P0017	Aprotinin	Aprotinin is a serine protease inhibitor isolated from bovine lung which inhibits trypsin and chymotrypsin with Ki values of 0.06 pM and 9 nM, respectively.
HY-18234A	Leupeptin hemisulfate	Leupeptin hemisulfate is a reversible, competitive serine/cysteine protease inhibitor, which has been shown to inhibit cathepsins B, H, L, and S, calpain, and trypsin.
HY-P0018	Pepstatin	Pepstatin is a specific aspartic proteases inhibitor produced by actinomycetes, and also inhibits HIV protease.
HY-P0035	Insulin (human)	Insulin (human) is a polypeptide hormone that regulates the level of glucose. It is a dimer of an A-chain and a B-chain, which are linked together by disulfide bonds.
HY-12403	Angiotensin 1-7	Angiotensin (1-7) inhibits purified canine angiotensin converting enzyme (ACE) activity with an IC ₅₀ of 0.65 μ M.
HY-P0014	Liraglutide	Liraglutide is a glucagon-like peptide-1 (GLP-1) receptor agonist used clinically to treat type 2 diabetes mellitus.
HY-12290	Arg-Gly-Asp-Ser	Arg-Gly-Asp-Ser is an integrin binding sequence that inhibits integrin receptor function.
HY-P0023	Cyclo(-RGDfK)	Cyclo(-RGDfK) is a potent and selective inhibitor of the α v β 3 integrin.
HY-P0069	D-JNKI-1	D-JNKI-1 is a specific inhibitor of JNK, and strongly interferes with JNK activation.
HY-P0081	Bax inhibitor peptide V5	Bax inhibitor peptide V5 is a Bax-mediated apoptosis inhibitor, used for cancer treatment.
HY-P0118	Disitertide	Disitertide also named P144, is a inhibitor of TGF- β 1.

Custom Peptide Synthesis



Flexible Quantities:	from mg to kg.
Spectrum of Purities:	crude, desalted, 70% to 98% purity.
Latest Synthesis Technologies:	combination of solid phase and liquid phase synthesis, and microwave and ligation technologies.
Comprehensive Modifications:	more than 300 modifications ranging from phosphorylation, methylation, acetylation, and amidation to stable isotope labeling and conjugations.
Guaranteed Quality:	MS and HPLC analyses performed after the completion of synthesis, purification, and QC steps.
Reliable Technical Support:	MedChemExpress technical account managers and online resources provide the best service during the entire research cycle.

- **Standard Peptide Synthesis:**
Flexible Quantities and Purities
- **Modifications of Peptide:**
Phosphorylation, Methylation, Acetylation, and Amidation etc.
- **Peptide Library:**
Fast, Precise and Novel
- **Recombinant Peptides:**
More Options for Length, Sequence and Size



Dye Reagents

Cell Structure Dyes

Ion Indicators

ROS/NO Probes

Cell Viability and Cell Death

Oligonucleotide / Protein Labeling

Fluorescent Enzyme Substrates

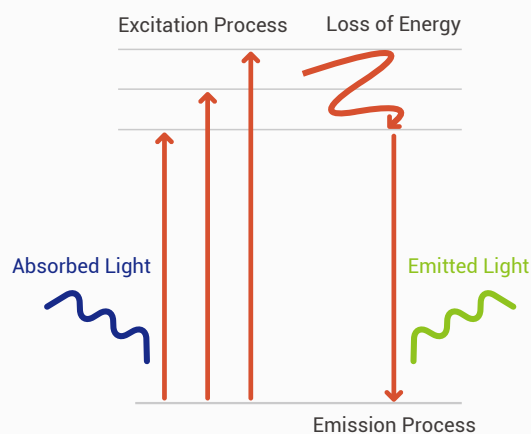
Dye Reagents are a class of aromatic hydrocarbons and heterocyclic compounds that can be excited through photoexcitation-fluorescence groups and emit fluorescence.

Applications

- Immunofluorescence, fluorescent probes, cell staining, ion indicators
- Specific DNA staining, for chromosome analysis, cell cycle, apoptosis and other related research
- Multiple staining makes it possible to assess the topographic relationship of different targets

Advantages

- High sensitivity
- High selectivity
- Cost-effective choice
- Strong technical support



Cell Structure Dyes

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
Membrane Probes				HY-K0902	Fluorescein Phalloidin	496	516
HY-D1028	DiD	644	665	HY-K0903	Rhodamine Phalloidin	540	565
HY-D0083	DiI	549	565	Membrane Potential Probes			
HY-D0969	DiO	484	501	HY-101891	Di-8-ANEPPS	465	635
Fluorescent Cytosolic Tracers				HY-101892	DiBAC4(3)	490	516
HY-D0938	CFSE	485	535	HY-D09861	TMA-DPH	355	430
HY-D0974	Sulforhodamine B	565	586	Mitochondrial Membrane Potential Probes			
Actin-Binding Probes				HY-D0993	Acridine Orange 10-Nonyl Bromide	489	525
HY-K0901	AMCA Phalloidin	353	442	HY-D0084	DiOC6(3)	470	510

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
HY-15534	JC-1	515/585	529/590	HY-D0996	LDS-751	543 (DNA)	712 (DNA)
HY-D0816	Rhodamine 123	503	527	HY-101879	Acridine Orange	500 (DNA)	526 (DNA)
HY-D0309	Rhodamine 6G	530	575	HY-110250	DFHBI	447	501
HY-D0985A	TMRE	550	575	HY-D0971	Pyronin Y	560	580
HY-D0984	TMRM	530	592	HY-D1020	7-Aminoactinomycin D	546	647
Nuclear Staining				HY-D0815	Propidium Iodide	530	625
HY-D0814	DAPI	358	461	Aβ Staining			
HY-15558	Hoechst 33258	350	461	HY-D0236	Congo Red	-	-
HY-15559	Hoechst 33342	350	461	HY-D0218	Thioflavin T	450	482
HY-15560	Hoechst 34580	392	440	HY-D0972	Thioflavin S	384	429

Ion Indicators

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
Ca²⁺ Indicators				pH Indicators			
HY-101897	Fura-2 AM	340/380	510	HY-D0012	Bromothymol Blue	-	-
HY-101898	Indo-1 AM	338	400/475	HY-D0169A	Phenol Red sodium salt	-	-
HY-D0716	Fluo-3 AM	506	526	HY-D0211	Phenolphthalein	-	-
HY-101896	Fluo-4 AM	494	516	HY-101883	BCECF-AM	490/440	535
HY-D0989	Rhod-2 AM	540	575	HY-101882	BCECF	490/440	535
Cl⁻ Indicators				HY-D0023	HPTS	450/405	Depending
HY-D0090	MQAE	350	460	Zn²⁺ Indicator			
HY-D0936	SPQ	344	443	HY-D0982	Zinquin	364	385

ROS/NO Probes

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
ROS Probes				HY-D0079	Dihydroethidium	518	606
HY-101893	H ₂ FDA	490	514	HY-15925	NBT	-	-
HY-D0940	H ₂ DCFDA	488	525	NO Probes			
HY-101859	NucPE1	488	538	HY-D0032	DAF2DA	495	515
HY-101894	Dihydrorhodamine 123	488	525	HY-D0717	DAF-FM DA	495	515

Cell Viability and Cell Death

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
Cell Viability				HY-D0041	Calcein-AM	495	515
HY-D0814	DAPI	358	461	HY-D1020	7-Aminoactinomycin D	546	647
HY-15559	Hoechst 33342	350	461	HY-D0815	Propidium Iodide	530	625



Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
HY-D0970	Trypan Blue	-	-	Cell Proliferation			
Apoptosis				HY-15924	MTT	-	-
HY-101899	Monochlorobimane	394	490	HY-D0831	WST-8	-	-
HY-100041	Bromobimane	394	490	HY-D0996	LDS 751	543 (DNA)	712 (DNA)
HY-P1003	Ac-DEVD-AMC	400	530	Autophagy			
HY-P1005	Ac-DEVD-AFC	400	530	HY-D1027	Dansylcadaverine	335	518

Oligonucleotide / Protein Labeling

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
CY Series				HY-15937	5(6)-FAM SE	494	519
HY-D0826	Sulfo-Cy2-SE	492	510	HY-15940	5(6)-FAM	494	519
HY-D0822	Sulfo-Cy3	555	570	HY-15941	5(6)-FITC	494	519
HY-D0823	Sulfo-Cy3-SE	555	570	HY-D0807	5-IAF	494	521
HY-D0818	Sulfo-Cy3-YNE	554	568	HY-66019	FITC	492	515
HY-D0819	Sulfo-Cy5-SE	649	670	HY-D0098	Fluorescein-5-maleimide	494	519
HY-D0832	Sulfo-Cy5-N3	649	670	Rhodamines			
HY-D0924	Sulfo-Cy5.5	676	695	HY-D0043	5(6)-ROX	568	591
HY-D0825	Sulfo-Cy7	750	773	HY-15944	5(6)-TAMRA	541	565
HY-D0824	Sulfo-Cy7-SE	750	773	HY-D0723	5(6)-TAMRA SE	546	575
Fluoresceins				HY-101876	Rhodamine 800	693	>720
HY-D0029	5(6)-Aminofluorescein	490	520	HY-D0966	Sulforhodamine B acid chloride	568	583

Fluorescent Enzyme Substrates

Cat. No.	Product Name	Ex (nm)	Em (nm)	Cat. No.	Product Name	Ex (nm)	Em (nm)
CYP450 Substrates				Glycosidase Substrates			
HY-D0055	3-Cyano-7-ethoxycoumarin	360	455	HY-15935	X-Gluc	-	-
HY-D0027	AMC	351	430	HY-D0935A	MUG	362	445
Hydrolase Substrate				HY-15928	4-Nitrophenyl-β-D- glucopyranoside	-	-
HY-U00452	PL553	210	410	HY-D1026	CUG	386	445
Peroxidase Substrates				HY-15934	X-GAL	-	-
HY-15930A	TMB dihydrochloride	-	-	Luciferins			
HY-101880	ADHP	530	590	HY-12591B	D-Luciferin potassium salt	-	-
HY-15902	ABTS	-	-	HY-12591	D-Luciferin sodium salt	-	-
Phosphatase Substrates				Coelenterazines			
HY-D0994	MUP	386	448	HY-18743	Coelenterazine	431	468
HY-15909	BCIP	-	-	HY-111382	Diphenylterazine	430	502

Biochemical Assay Reagents

Co-solvents
 Cell Assay Reagents
 Enzyme Substrates
 Chelating Agents, Indicators, Crosslinkers & Eluents

Co-solvents

Cat. No.	Product Name	Cat. No.	Product Name
HY-Y1891	Tween 80	HY-Y0873	PEG300
HY-B1659	Glycerol	HY-Y1890	Cremophor EL
HY-W042416	N,N-Dimethylacetamide	HY-Y0842	Formamide
HY-B1620	Polyvinylpyrrolidone	HY-Y0873A	PEG400
HY-Y0921	(±)-1,2-Propanediol	HY-107799	Castor oil
HY-Y1888	Corn oil	HY-Y1893	Solutol HS-15
HY-Y1887	COTTONSEED OIL	HY-Y1889	Sodium carboxymethyl cellulose
HY-125861	Methyl cellulose	HY-Y1892	Gelucire 14/44

Cell Assay Reagents

Cat. No.	Product Name	Information
HY-D0831	WST-8	WST-8 is a water-soluble tetrazolium dye, WST-8 enhances sensitivity of the WST-8-based assay over the conventional MTS-based assay.
HY-15924	MTT	MTT, a yellow tetrazole, is reduced to purple formazan in living cells, and used for assessing cell metabolic activity.
HY-B1102	Evans Blue	Evans Blue is a potent inhibitor of L-glutamate uptake via the membrane bound excitatory amino acid transporter (EAAT).
HY-19804A	Photo-lysine Hydrochloride	Photo-lysine hydrochloride, a new lysine-based photo-reactive amino acid, captures proteins that bind lysine post-translational modifications.
HY-100894	Biotin-VAD-FMK	Biotin-VAD-FMK is a cell permeable, irreversible biotin-labeled caspase inhibitor, used to identify active caspases in cell lysates.
HY-15680	O-Propargyl-Puromycin	O-Propargyl-Puromycin, an alkyne analog of puromycin, is a potent protein synthesis inhibitor.



Enzyme Substrates

Cat. No.	Product Name	Information
HY-15926	ONPG	ONPG is a colorimetric and spectrophotometric substrate for detection of β -galactosidase activity.
HY-D0714	Tetrazolium Red	Tetrazolium Red is used to visualize dehydrogenase enzyme activity; initially the tetrazolium solution is colorless but changes to red when it comes into contact with hydrogen.
HY-D0183	ATP-polyamine-biotin	APB is a cell-permeable, efficient kinase cosubstrate with conversions and kinetics similar to those of other known ATP analogues.
HY-D0719	Fluorescein Diacetate	Fluorescein diacetate is a cell permeable esterase-substrate. Fluorescein diacetate can be used as a fluorogenic substrate for hGSTP1-1.
HY-15906	AMPPD	AMPPD is a biochemistry ultrasensitive alkaline phosphatase substrate.
HY-15902	ABTS diammonium salt	ABTS diammonium salt is a substrate for horseradish peroxidase (HRP) conjugate.
HY-15936	γ -GT	γ -GT is a substrate for γ -glutamyl transferase in biochemical test.
HY-15927	PNPG	PNPG is a chromogenic β -D-glucosidase substrate, producing a yellow solution upon cleavage.
HY-D0255	o-Dianisidine dihydrochloride	o-Dianisidine dihydrochloride is a colorimetric peroxidase substrate suitable for use in ELISA procedures.
HY-P0022	pGlu-Pro-Arg-MNA	pGlu-Pro-Arg-MNA is a chromogenic substrate.
HY-P0020A	Tos-Gly-Pro-Arg-ANBA-IPA acetate	Tos-Gly-Pro-Arg-ANBA-IPA is a p-nitroanilide tripeptide substrate of thrombin.
HY-15911	CNP-AFU	CNP-AFU is a substrate for alpha-L-fucosidase(AFU).
HY-P0022A	pGlu-Pro-Arg-MNA monoacetate	pGlu-Pro-Arg-MNA monoacetate is a chromogenic substrate.
HY-P0020	Tos-Gly-Pro-Arg-ANBA-IPA	Tos-Gly-Pro-Arg-ANBA-IPA is a fluorogenic substrate.

Chelating Agents, Indicators, Crosslinkers & Eluents

Cat. No.	Product Name	Information
HY-B1295	Citric acid trilithium salt tetrahydrate	Citric acid trilithium salt tetrahydrate is a pharmaceutical and construction material, used in HPLC gradient elution for quantitative amino acid analysis.
HY-100168	BAPTA	BAPTA is a specific chelator of Ca^{2+} , suppresses intracellular reactive oxygen species (ROS) levels.
HY-18593	6-O- α -Maltosyl- β -cyclodextrin	6-O- α -Maltosyl- β -cyclodextrin is a cellular cholesterol modifier which can form soluble inclusion complex with cholesterol.
HY-101183	THK5351	THK5351 can be radiolabeled and used as a radiotracer for in vivo imaging of tau pathology in the brain.
HY-101794	2-(Pyridyldithio)ethylamine hydrochloride	2-(Pyridyldithio)ethylamine hydrochloride is a novel disulfide intercalating cross-linking reagent.
HY-B1024	DL-Panthenol	DL-Panthenol is an intermediate of organic synthesis.

Recombinant Proteins

Cytokines
Growth Factors
Chemokines
Hormones

Neurotrophins
Enzymes & Inhibitors
SARS-CoV-2 Related Recombinant Proteins
Protein Expression Service

Recombinant protein is a protein encoded by a recombinant DNA that has been cloned in a system that supports expression of the gene and translation of mRNA. The host cells used for recombinant protein production can be derived from bacteria, mammalian cell, insect and yeast. Recombinant proteins have been widely used in most hot research areas such as immune checkpoints, antibody drug targets, CAR-T cell therapy targets, Fc receptors, influenza viral proteins and cytokines.

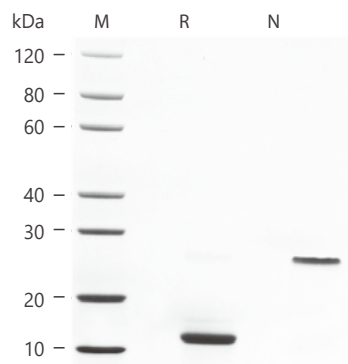
Applications: Immunology assay, Cell culture assay, Cell therapy, Apoptosis research, Stem cell culture and expansion, Functional analysis, In vitro biochemical analysis, Antibody production, Positive control, ELISA assay, Interaction analysis.

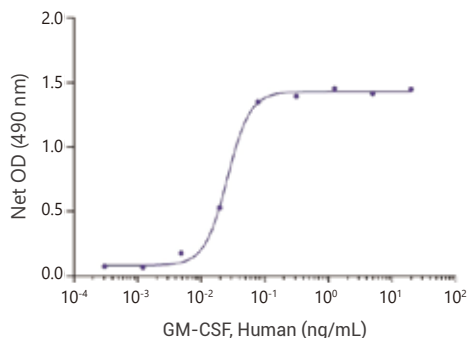
Advantages

- **Broad Categories:** interleukins, interferons, tumor necrosis factors, colony stimulating factor, growth factors, chemokines and others
- **Low Endotoxin Levels:** measured by LAL assay
- **High Purity:** tested by SDS-PAGE & HPLC
- **Superior Biological Activity:** validated by relevant in vitro or in vivo assays
- **Excellent Lot-to-Lot Consistency:** confirmed by Lot-to-Lot data
- **Full Range Sizes:** different pre-packaged sizes for various needs
- **Competitive Price:** superb quality with a reasonable price

High Purity

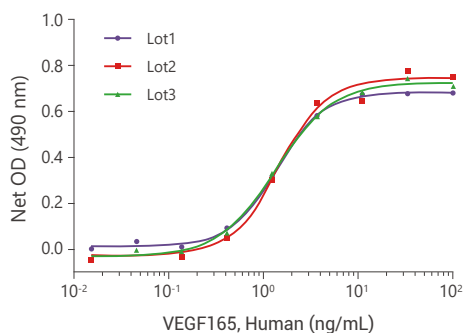
2 µg of human bone morphogenetic protein-2 (BMP-2) was resolved with SDS-PAGE under reducing (R) and non-reducing (N) conditions.





Superior Biological Activity

GM-CSF, human stimulates cell proliferation of TF-1 cells with an ED₅₀ of less than 0.1 ng/mL.



Excellent Lot-to-Lot Consistency

The ED₅₀s of MCE VEGF165, human from three different Lots are similar.

Cytokines

Cat. No.	Product Name	Abbreviation
HY-P7001	Recombinant Human Acidic Fibroblast Growth Factor	rHuaFGF
HY-P7004	Recombinant Human Basic Fibroblast Growth Factor	rHubFGF
HY-P7005	Recombinant Human Betacellulin	rHuBetacellulin
HY-P7006	Recombinant Human Bone Morphogenetic Protein 2	rHuBMP-2
HY-P7007	Recombinant Human Bone Morphogenetic Protein 4	rHuBMP-4
HY-P7008	Recombinant Human Bone Morphogenetic Protein 7	rHuBMP-7
HY-P7009	Recombinant Human Endostatin (P. pastoris-expressed)	rHuEndostatin
HY-P7012	Recombinant Human Fibroblast Growth Factor 21	rHuFGF-21
HY-P7014	Recombinant Human Fibroblast Growth Factor 4	rHuFGF-4
HY-P7015	Recombinant Human Granulocyte Colony Stimulating Factor	rHuG-CSF
HY-P7016	Recombinant Human Granulocyte-Macrophage Colony Stimulating Factor (CHO-expressed)	rHuGM-CSF
HY-P7017	Recombinant Human Heparin-binding EGF-like Growth Factor	rHuHB-EGF
HY-P7018	Recombinant Human Insulin-like Growth Factor-1	rHuIGF-1
HY-P7019	Recombinant Human Insulin-like Growth factor-2	rHuIGF-2

Cat. No.	Product Name	Abbreviation
HY-P7020	Recombinant Human Insulin-like Growth Factor-Binding Protein 3	rHuIGF-BP3
HY-P7022	Recombinant Human Interferon-alpha2a	rHuIFN-α2a
HY-P7023	Recombinant Human Interferon-alpha2b	rHuIFN-α2b
HY-P7024	Recombinant Human Interferon-beta (HEK293-expressed)	rHuIFN-β
HY-P7025	Recombinant Human Interferon-gamma	rHuIFN-γ
HY-P7025A	Recombinant Human Interferon-gamma (CHO-expressed)	rHuIFN-γ
HY-P7026	Recombinant Human Interferon-lambda1/Interleukin-29	rHuIFN-λ1/IL-29
HY-P7028	Recombinant Human Interleukin-1 beta	rHuIL-1β
HY-P7029	Recombinant Human Interleukin-1 Receptor Antagonist Protein	rHuIL-1RA
HY-P7029A	Recombinant Human Interleukin-1 Receptor Antagonist Protein (HEK293-expressed)	rHuIL-1RA
HY-P7030A	Recombinant Human Interleukin-10 (CHO-expressed)	rHuIL-10
HY-P7031	Recombinant Human Interleukin-11	rHuIL-11
HY-P7033	Recombinant Human Interleukin-13 (CHO-expressed)	rHuIL-13
HY-P7034	Recombinant Human Interleukin-15	rHuIL-15
HY-P7036	Recombinant Human Interleukin-17	rHuIL-17
HY-P7037	Recombinant Human Interleukin-2	rHuIL-2
HY-P7037A	Recombinant Human Interleukin-2 (CHO-expressed)	rHuIL-2
HY-P7038	Recombinant Human Interleukin-21	rHuIL-21
HY-P7040A	Recombinant Human Interleukin-3 (CHO-expressed)	rHuIL-3
HY-P7041	Recombinant Human Interleukin-33	rHuIL-33
HY-P7042	Recombinant Human Interleukin-4 (CHO-expressed)	rHuIL-4
HY-P7043A	Recombinant Human Interleukin-5 (CHO-expressed)	rHuIL-5
HY-P7044	Recombinant Human Interleukin-6	rHuIL-6
HY-P7044A	Recombinant Human Interleukin-6 (CHO-expressed)	rHuIL-6
HY-P7045	Recombinant Human Interleukin-7	rHuIL-7
HY-P7047	Recombinant Human Keratinocyte Growth Factor 1/FGF-7	rHuKGF-1/FGF-7
HY-P7050A	Recombinant Human Macrophage Colony-stimulating Factor (CHO-expressed)	rHuM-CSF
HY-P7051A	Recombinant Human Noggin (CHO-expressed)	rHuNoggin
HY-P7052	Recombinant Human Oncostatin-M, 227a.a.	rHuOSM
HY-P7052A	Recombinant Human Oncostatin-M, 209a.a.	rHuOSM
HY-P7054	Recombinant Human Pigment Epithelium-derived Factor	rHuPEDF
HY-P7055	Recombinant Human Platelet-derived Growth Factor-BB	rHuPDGF-BB
HY-P7056	Recombinant Human Stem Cell Factor (P. pastoris-expressed)	rHuSCF



Cat. No.	Product Name	Abbreviation
HY-P7057	Recombinant Human Thymic Stromal Lymphopoietin	rHuTSLP
HY-P7058	Recombinant Human Tumor Necrosis Factor-alpha/TNFSF2	rHuTNF- α /TNFSF2
HY-P7062	Recombinant Mouse Interleukin-3, 135a.a.	rMuIL-3
HY-P7063	Recombinant Mouse Interleukin-6	rMuIL-6
HY-P7064	Recombinant Mouse Stem Cell Factor (P. pastoris-expressed)	rMuSCF
HY-P7065	Recombinant Mouse Acidic Fibroblast Growth Factor	rMuaFGF
HY-P7066	Recombinant Mouse Basic Fibroblast Growth Factor	rMubFGF
HY-P7067	Recombinant Mouse Epidermal Growth Factor	rMuEGF
HY-P7068	Recombinant Mouse Granulocyte Colony-stimulating Factor (CHO-expressed)	rMuG-CSF
HY-P7069	Recombinant Mouse Granulocyte-Macrophage Colony Stimulating Factor (CHO-expressed)	rMuGM-CSF
HY-P7070	Recombinant Mouse Insulin-like Growth factor-1	rMuIGF-1
HY-P7071	Recombinant Mouse Interferon-gamma	rMuIFN- γ
HY-P7073	Recombinant Mouse Interleukin-1 beta	rMuIL-1 β
HY-P7073A	Recombinant Mouse Interleukin-1 beta (CHO-expressed)	rMuIL-1 β
HY-P7074A	Recombinant Mouse Interleukin-10 (CHO-expressed)	rMuIL-10
HY-P7076A	Recombinant Mouse Interleukin-13, His (CHO-expressed)	rMuIL-13, His
HY-P7077	Recombinant Mouse Interleukin-2	rMuIL-2
HY-P7079	Recombinant Mouse Interleukin-22	rMuIL-22
HY-P7080	Recombinant Mouse Interleukin-4 (CHO-expressed)	rMuIL-4
HY-P7082	Recombinant Mouse Interleukin-7 (CHO-expressed)	rMuIL-7
HY-P7084	Recombinant Mouse Leukemia Inhibitory Factor	rMuLIF
HY-P7085	Recombinant Mouse Macrophage Colony Stimulating Factor	rMuM-CSF
HY-P7085A	Recombinant Mouse Macrophage Colony Stimulating Factor (CHO-expressed)	rMuM-CSF
HY-P7086	Recombinant Mouse Noggin (CHO-expressed)	rMuNoggin
HY-P7090	Recombinant Mouse Tumor Necrosis Factor-alpha/TNFSF2	rMuTNF- α /TNFSF2
HY-P7090A	Recombinant Mouse Tumor Necrosis Factor-alpha/TNFSF2 (P. pastoris-expressed)	rMuTNF- α /TNFSF2
HY-P7091	Recombinant Rat Basic Fibroblast Growth Factor	rRtbFGF
HY-P7092	Recombinant Rat Epidermal Growth Factor	rRtEGF
HY-P7095	Recombinant Rat Interferon-gamma	rRtIFN- γ
HY-P7097	Recombinant Rat Interleukin-1 beta	rRtIL-1 β
HY-P7098	Recombinant Rat Interleukin-10	rRtIL-10
HY-P7103A	Recombinant Rat Interleukin-6 (HEK293-expressed)	rRtIL-6

Cat. No.	Product Name	Abbreviation
HY-P7108	Recombinant Rat Tumor Necrosis Factor-alpha/TNFSF2 (P. pastoris-expressed)	rRtTNF- α /TNFSF2
HY-P7109	Recombinant Human Epidermal Growth Factor	rHuEGF
HY-P7110	Recombinant Human Vascular Endothelial Growth Factor 165 (P. pastoris-expressed)	rHuVEGF165
HY-P7110A	Recombinant Human Vascular Endothelial Growth Factor 165 (HEK293-expressed)	rHuVEGF165
HY-P7112	Recombinant Human Parathyroid Hormone, 1-84a.a.	rHuPTH
HY-P7114	Recombinant Human R-spondin-1/RSP01	rHuR-spondin-1/RSP01
HY-P7116A	Recombinant Human BDNF/Brain-derived neurotrophic factor	rHuBDNF/Brain-derived neurotrophic factor
HY-P7117	Recombinant Mouse TGF-beta 1/TGFB1 (HEK293-expressed)	rMuTGF-beta 1/TGFB1
HY-P7121	Recombinant Human Hepatocyte Growth Factor (CHO-expressed)	rHuHGF
HY-P7124	Recombinant Rat Fibroblast Growth Factor 18	rRtFGF-18
HY-P7135	Recombinant Human beta Defensin-2	rHuBD-2
HY-P7137	Recombinant Human Beta Defensin-3	rHuBD-3
HY-P7144	Recombinant Human CD40 Ligand	rHuCD40L
HY-P7205	Recombinant Human Interleukin-1 beta (CHO-expressed)	rHuIL-1 β
HY-P7206	Recombinant Porcine Interleukin-1 beta	rPoIL-1 β
HY-P7208	Recombinant Mouse Interleukin-12 (CHO-expressed)	rMuIL-12
HY-P7218	Recombinant Mouse Interleukin-33	rMuIL-33
HY-P7219	Recombinant Porcine Interleukin-4 (CHO-expressed)	rPoIL-4
HY-P7223	Recombinant Human Interleukin-6 Receptor (CHO-expressed)	rHuIL-6R
HY-P7224	Recombinant Human Interleukin-8/CXCL8	rHuIL-8/CXCL8
HY-P7278	Recombinant Rat Platelet-Derived Growth Factor-BB	rRtPDGF-BB
HY-P7306	Recombinant Human TRAIL/Apo2L	rHuTRAIL/Apo2L
HY-P7309	Recombinant Human TWEAK (CHO-expressed)	rHuTWEAK
HY-P7319	Recombinant Mouse Activation-inducible TNF-related Ligand/AITRL	rMuActivation-inducible TNF-related Ligand/AITRL
HY-P7372	Recombinant Mouse Interleukin-17A (CHO-expressed)	rMuIL-17A
HY-P7373	Recombinant Human Interleukin-17A, His (CHO-expressed)	rHuIL-17A, His
HY-P7378	Recombinant Mouse Interleukin-6, His (CHO-expressed)	rMuIL-6, His
HY-P7388	Recombinant Mouse Macrophage Migration Inhibitory Factor	rMuMMIF
HY-P7424	Recombinant Human RANK L/TNFSF11	rHuRANK L/TNFSF11
HY-P7425	Recombinant Mouse RANK L/TNFSF11	rMuRANK L/TNFSF11



Growth Factors

Cat. No.	Product Name	Abbreviation
HY-P7118	Recombinant Human Transforming Growth Factor β 1	TGF-beta-1
HY-P7119	Recombinant Human Transforming Growth Factor β 2	TGF-beta-2
HY-P7120	Recombinant Human Transforming Growth Factor beta3 (HEK293-expressed)	rHuTGF- β 3
HY-P7164	Recombinant Human Erythropoietin (CHO-expressed)	rHuEPO
HY-P7170	Recombinant Mouse Fibroblast Growth Factor-10	rMuFGF-10
HY-P7172	Recombinant Human Fibroblast Growth Factor-19	rHuFGF-19
HY-P7179	Recombinant Bovine Basic Fibroblast Growth Factor	rBobFGF
HY-P7194	Recombinant Mouse Heparin-Binding EGF-like Growth Factor	rMuHB-EGF
HY-P7203	Recombinant Rat Insulin-like Growth Factor-I	rRtIGF-I
HY-P7230	Recombinant Mouse KGF/FGF-7	rMuKGF/FGF-7
HY-P7247	Recombinant Rat Macrophage-Colony Stimulating Factor (CHO-expressed)	rRtM-CSF
HY-P7280	Recombinant Human PDGF-DD (CHO-expressed)	rHuPDGF-DD
HY-P7312	Recombinant Mouse VEGF165	rMuVEGF165
HY-P7330	Recombinant Human basic Fibroblast Growth Factor, 145a.a.	rHubFGF, 145a.a.
HY-P7346	Recombinant Human Fibroblast Growth Factor 8	rHuFGF-8
HY-P7361	Recombinant Mouse Granulocyte Macrophage Colony Stimulating Factor	rMuGM-CSF

Chemokines

Cat. No.	Product Name	Abbreviation
HY-P7166	Recombinant Human Exodus-2/CCL21	rHuExodus-2/CCL21
HY-P7188	Recombinant Mouse GRO alpha/CXCL1	rMuGRO- α /CXCL1
HY-P7198	Recombinant Human I-309/CCL1 (CHO-expressed)	rHuI-309/CCL1
HY-P7229	Recombinant Human I-TAC/CXCL11	rHuI-TAC/CXCL11
HY-P7235	Recombinant Mouse MCP-1/CCL2 (HEK293-expressed)	rMuMCP-1/CCL2
HY-P7253	Recombinant Human MIG/CXCL9	rHuMIG/CXCL9
HY-P7258	Recombinant Mouse Macrophage Inflammatory Protein-2/CXCL2	rMuMIP-2/CXCL2
HY-P7262	Recombinant Human MIP-3 alpha/CCL20	rHuMIP-3 α /CCL20
HY-P7284	Recombinant Human Stromal-Cell Derived Factor-1 alpha/CXCL12	rHuSDF-1 α /CXCL12
HY-P7287	Recombinant Human SDF-1 beta/CXCL12	rHuSDF-1 β /CXCL12
HY-P7355	Recombinant Human Fractalkine/CX3CL1 (CHO-expressed)	rHuFractalkine/CX3CL1
HY-P7407	Recombinant Human Sonic Hedgehog, C24II	rHuSonic Hedgehog, C24II

Hormones

Cat. No.	Product Name	Abbreviation
HY-P7183	Recombinant Human Growth Hormone	rHuGH
HY-P7232	Recombinant Human Leptin	rHuLeptin
HY-P7233	Recombinant Rat Leptin	rRtLeptin
HY-P7360	Recombinant Human Growth Hormone (CHO-expressed)	rHuGH

Neurotrophins

Cat. No.	Product Name	Abbreviation
HY-P7145	Recombinant Human Ciliary Neurotrophic Factor (HEK293-expressed)	rHuCNTF
HY-P7272	Recombinant Human Neurotrophin-4	rHuNT-4
HY-P7359	Recombinant Mouse Glial-Derived Neurotrophic Factor (CHO-expressed)	rMuGDNF
HY-P7365	Recombinant Human Heregulin-1 beta1	rHuHeregulin-1 β 1

Enzymes & Inhibitors

Cat. No.	Product Name	Abbreviation
HY-P7185	Recombinant Mouse Granzyme B (CHO-expressed)	rMuGranzyme B
HY-P7270	Recombinant Human Neuroserpin (CHO-expressed)	rHuNeuroserpin
HY-P7341	Recombinant Bovine Enterokinase	rBoEnterokinase
HY-P7419	Recombinant Human Vaspin	rHuVaspin

SARS-CoV-2 Related Recombinant Proteins

Cat. No.	Product Name	Abbreviation
HY-P7429	Recombinant 3C-like Proteinase, His	r3C-like Proteinase, His
HY-P7431	Recombinant S Protein RBD Protein, His (HEK293-expressed)	rS protein RBD Protein, His
HY-P7432	Recombinant S protein RBD-SD1, C-mFc (HEK293-expressed)	rS protein RBD-SD1, C-mFc
HY-P7433	Recombinant S protein RBD-SD1, His (HEK293-expressed)	rS protein RBD-SD1, His
HY-P7434	Recombinant S1 Protein, C-mFc (HEK293-expressed)	rS1 protein, C-mFc
HY-P7435	Recombinant S1 Protein, C-Fc (HEK293-expressed)	rS1 protein, C-Fc
HY-P7436	Recombinant S1 Protein (HEK293-expressed)	rS1 protein
HY-P7437	Recombinant Nucleocapsid Protein, His	rNucleocapsid Protein, His



Cat. No.	Product Name	Abbreviation
HY-P7438	Recombinant Nucleocapsid Protein NTD domain, His	rNucleocapsid Protein NTD domain, His
HY-P7439	Recombinant Nucleocapsid Protein CTD domain, His	rNucleocapsid Protein CTD domain, His
HY-P7440	Recombinant Envelope, His	rEnvelope, His
HY-P7441	Recombinant Human Angiotensin-Converting Enzyme 2, His (HEK293-expressed)	rHuACE-2, His
HY-P7442	Recombinant Human Angiotensin-Converting Enzyme 2, C-Fc (HEK293-expressed)	rHuACE-2, C-Fc

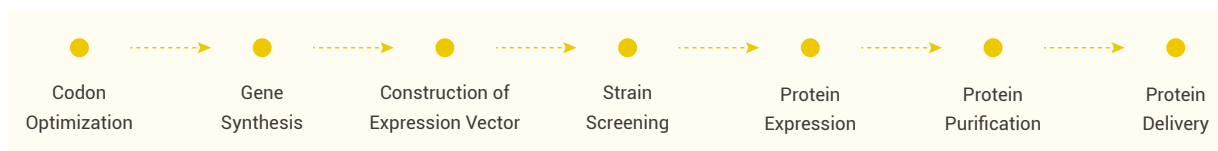
Others

Cat. No.	Product Name	Abbreviation
HY-P7126	Recombinant Human Adiponectin (CHO-expressed)	rHuAdiponectin
HY-P7128	Recombinant Human Adiponectin	rHuAdiponectin
HY-P7154	Recombinant Mouse DKK-1 (CHO-expressed)	rMuDKK-1
HY-P7155A	Recombinant Human Dickkopf Related Protein-1 (HEK293-expressed)	rHuDKK-1
HY-P7290	Recombinant Mouse Sonic Hedgehog	rMuShh

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- Mammalian expression system
- Insect expression system
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- Providing customized services of high-purity protein from mg to g
- Large-scale protein production platform



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