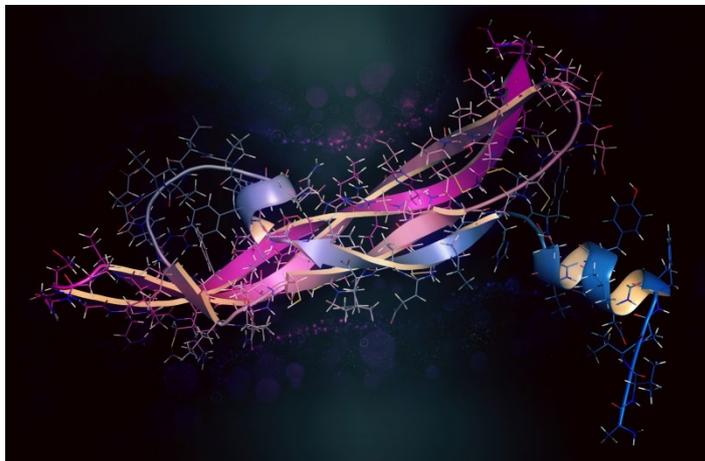


TargetMol Recombinant Proteins: elevate your research to the next level



Introduction

Recombinant proteins are proteins produced using recombinant DNA or RNA technology in host cells. Compared to proteins extracted from natural sources, recombinant proteins have a wider range of sources, higher yields, and more controlled quality, making them play a crucial role in life science research. They are applied in many fields, such as cell culture, activity assays, exploration of protein structure and function, immunology research, drug development, cell therapy, virology research, enzyme studies, etc.

TargetMol currently offers over 13,000 recombinant protein products, covering multiple categories including cytokines, growth factors, receptor proteins, enzymes, and viral proteins. Multiple expression systems can be selected, including prokaryotic systems, mammalian cells, yeast, and insects, etc. We also provide a variety of species options and tag choices. Our products are supplied in solid/dry form to ensure protein stability.

TargetMol advantages

Extensive range of protein categories: cytokines and growth factors, Fc receptor proteins, CAR-T therapy target proteins, immune checkpoint proteins, receptor proteins, CD proteins, enzymes, hormones, complement systems, viral proteins, fluorescent proteins, etc.

Diverse species & expression systems: Human, mouse, rat, rhesus macaque, feline, canine, bovine, sheep, gallus gallus domesticus, Porcine, rabbit, virus, bacteria, fungi, plants, etc.

Various expression systems: Diverse Expression Systems: E. coli expression, yeast expression, mammalian cell expression, insect-baculovirus expression, cell-free expression, VLP platform expression, etc.

Selective tags: Tag Free、 His、 Flag、 Avi、 Myc、 HA、 SUMO、 T7、 Fc、 GST, etc.

High quality: Tests for biological activity, binding affinity and enzyme activity to ensure activity requirements; SDS-PAGE and HPLC are validated to ensure high purity.

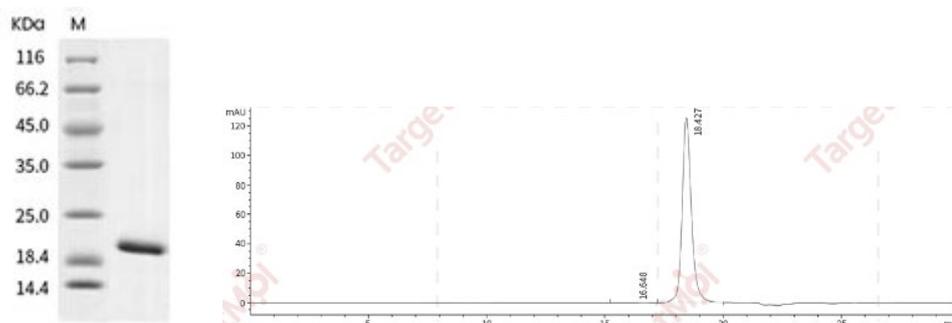
Low Endotoxin: tested by LAL assay. Most products have endotoxin levels lower than 1 EU/μg and some below 0.01 EU/μg.

High Stability: High stability across batches guarantees experimental reproducibility.

Carrier-Free: Buffer systems do not contain bovine serum albumin (BSA).

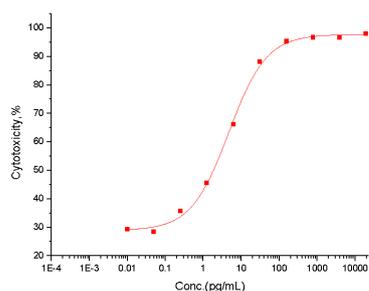
Validation

1. High purity



The purity of Human IL-1 beta Protein (TMPY-01049) was >95% determined by SDS-PAGE and >95% determined by SEC-HPLC.

2. High bioactivity



The activity of Human TNF alpha Protein (TMPY-00936) was measured in a cytotoxicity assay using L929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is typically 3-30 pg/mL.

Recommended Products (Part)

Cytokines

Catalog No.	Product Name	Species	Expression System	Tag
TMPY-01560	EGF	Human	<i>E. coli</i>	Tag Free
TMPY-00464	M-CSF	Mouse	HEK293	Tag Free
TMPY-00936	TNF alpha	Human	<i>E. coli</i>	Tag Free

CAR-T Therapy Target Proteins

Catalog No.	Product Name	Species	Expression System	Tag
TMPY-00167	HER2	Human	HEK293	Tag Free
TMPY-00742	EGFR	Human	HEK293	His
TMPY-05319	BCMA	Human	HEK293	His

Immune Checkpoint Proteins

Catalog No.	Product Name	Species	Expression System	Tag
TMPY-00897	PD-1	Human	HEK293	His
TMPY-04824	CTLA-4	Human	HEK293	Tag Free
TMPY-01621	TIM-3	Human	HEK293	His

Fc Receptor Proteins

Catalog No.	Product Name	Species	Expression System	Tag
TMPY-04261	Fc γ RI/CD64	Human	HEK293	His
TMPY-01834	Fc γ RIII/CD16	Mouse	HEK293	His
TMPY-00716	Fc α RI/CD89	Human	HEK293	His

Receptor Proteins

Catalog No.	Product Name	Species	Expression System	Tag
TMPY-01296	HGFR	Human	HEK293	His
TMPY-02361	VEGFR2	Human	HEK293	His
TMPY-01410	IL-3R alpha	Human	HEK293	His

CD Proteins

Catalog No.	Product Name	Species	Expression System	Tag
TMPY-02698	CD14	Human	HEK293	His
TMPY-01400	CD4	Human	HEK293	His
TMPY-05364	CD8 alpha	Human	HEK293	hFc

Enzymes

Catalog No.	Product Name	Species	Expression System	Tag
TMPY-06701	GPX4	Human	<i>E. coli</i>	His
TMPY-00735	Cathepsin S	Human	HEK293	His
TMPY-00381	PSMA	Human	HEK293	His

Viral Proteins

Catalog No.	Product Name	Species	Expression System	Tag
TMPY-01524	Hemagglutinin	Influenza A H3N2	HEK293	His
TMPY-01373	gp120	HIV-1	HEK293	His
TMPY-01078	Fusion glycoprotein	RSV	Baculovirus-Insect Cells	His

Others

Catalog No.	Product Name	Species	Expression System	Tag
TMPY-02443	HSP70	Human	Baculovirus-Insect Cells	His
TMPY-02279	PNP	Human	<i>E. coli</i>	His
TMPY-01848	HMGB1	Human	HEK293	His

