

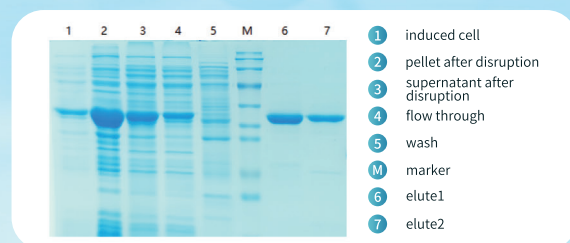
# Recombinant Proteins



FineTest® protein expression platform has provided nearly **6500** kinds of recombinant protein products for global customers, covering inflammatory factors, signaling pathways, diagnostic materials, receptor proteins, enzymes, antigens of human and common species. We also provide special services such as protein labeling, coupling, etc., to meet all your needs.

## SOLUBLE PROTEINS

The groundbreaking pET28a-IF2DI expression vector developed by FineTest® features a powerful IF2DI solubilization tag, providing excellent soluble expression for highly hydrophobic proteins. It serves as a perfect substitute for GST, MBP, etc. Additionally, it has a smaller molecular weight and exerts a lesser impact on the expression of the target protein.



## UNTAGGED PROTEINS

To meet different customer needs, the IF2DI tag can be removed using a Thrombin enzyme cleavage site, obtaining a clean and complete untagged protein, ensuring that the protein's activity is not affected.



## INCLUSION BODY PROTEINS

For insoluble protein aggregates, FineTest®'s exclusive protein refolding technology can be used to refold them in a suitable buffer system, resulting in soluble forms of the target protein. Over 100 proteins with verified activity have been successfully refolded using this method.



## Protein gel fast staining solution (Cat. P0088)

Rapid experiment/Clean background/Nontoxic/Easy to use



# Advantages

## Prokaryotic Expression System

E.coli expression system has stably expressed more than **6,500** kinds of proteins with high purity and good activity, which can meet most experiments.

## Eukaryotic Expression System

The protein expressed by HEK293, CHO mammalian cell expression system has higher activity.

- ▶ **High Purity:** Greater than 95% by SDS-PAGE
- ▶ **Good activity:** Catalytic activity, cell proliferation
- ▶ **Low endotoxin:** Less than 1EU/μg, LAL
- ▶ **Multiple species:** Human/Mouse/Rat/Monkey/Dog/Pig
- ▶ **Self-developed, without animal ingredients**
- ▶ **Tag choice:** His/Fc/tag-free protein

ELISA comparison between P2750 FineTest® recombinant CD147 and 972-EMN R&D recombinant CD147. The result shows FineTest® protein is at the same level as R&D

Conc. (pg/ml)	OD (450nm)	
	R&D	FineTest®
7.8125	0.079	0.090
15.625	0.308	0.379
31.25	0.532	0.624
62.5	0.858	0.960
125	1.377	1.555
250	2.071	2.297
500	2.853	2.961
1000	3.383	3.322

## Proteins Customized Service

For any protein you are interested in, you can entrust FineTest® to produce it. Just provide the protein name, Uniprot ID, the purpose of the protein, and leave the rest to us.

### Service Process

Develop  
a Plan



Plasmid  
Synthesis



Protein  
Expression



Purification



Products  
Delivery

Service	Detail	Timeline
Gene Synthesis	Plasmid Synthesis	1-2 weeks
Protein Expression and Purification	Prokaryotic System	Within 1 week
	Eukaryotic System	2-3 weeks
Products Delivery	Plasmid, Protein in lyophilized form, COA	2-4 weeks

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