

Recombinant Protein Expression Service

No protein within 800AA
No charge

17 years'
experience

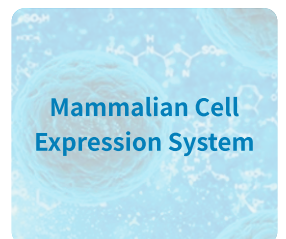
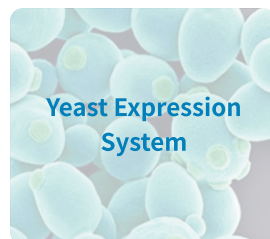
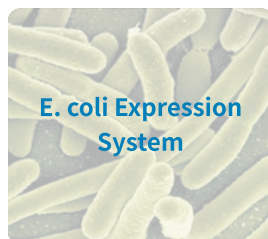
15000+
orders completed

> 99.1%
success rate

Service Advantages

- ✓ **Risk-free: Do not charge by steps. No protein, No charge**
- ✓ Competitive price
- ✓ 39 kinds of tags meeting different demands
- ✓ Secondary AKTA-SEC purification to ensure high purity
- ✓ Ability to achieve large-scale protein production (10 mg, 50 mg, 100 mg, 200 mg available)
- ✓ Free add-on services available: Desalting, aliquot, endotoxin removal, aseptic process and lyophilization

Note: This risk-free custom protein service is only suitable for proteins within 800aa. We will charge according to different steps if you need to express proteins more than 800aa.



© Guide to Selecting an Expression System

Expression System	System Advantages	Application	Features of Cusabio
In vitro E.coli Expression System	<ol style="list-style-type: none"> 1.High throughput, capable of parallel processing of multiple different proteins on a porous plate under various conditions. 2.Suitable for the expression of membrane proteins and toxic proteins. 3.Rich experience and successfully developed hundreds of membrane proteins. 4.Less operation steps, simple experimental process and low equipment dependency can greatly improve work efficiency. 	Toxic proteins, membrane proteins	Multiple different proteins can be optimized simultaneously and in parallel on a porous plate under a variety of different conditions to find a suitable expression scheme, greatly shortening the experimental cycle and increasing the expression level.
E.coli Expression System	<ol style="list-style-type: none"> 1.Low cost, simple culture conditions, rapid production, strong scalability, and simple transformation operation. 2.Short production cycle, multiple expression vectors available and high expression success rate. 3.Targeted in vivo biotinylation labeling, testing of biotin labeling rate for free. 4.Optimize multiple expression vectors to improve the expression amount. 	Prokaryotic proteins, simple eukaryotic proteins	<ol style="list-style-type: none"> 1.Multiple expression strategies and purification methods are carried out simultaneously to ensure that the highest quality proteins are obtained. 2.Rich experience and expertise in the expression of soluble proteins, inclusion body renaturation, fusion proteins, and other aspects, which can solve various bottlenecks in the protein expression process.
Yeast Expression System	<ol style="list-style-type: none"> 1.High cost effectiveness, low cost of amplification medium, simple culture conditions, rapid production and easy to scale up. 2.A good choice for the expression of secreted proteins or intracellular proteins, low background protein content and easy for target protein to purify. 3.Stable expressed protein conducive to protein folding, and extensive post translational modifications. 4.No endotoxin produce and easy to control the protein endotoxin content. 	Industrial strain improvement, large-scale amplification, glycosylation modified proteins, etc.	<ol style="list-style-type: none"> 1.The combination of the self transforming high efficiency secretory vector with the host can maximize achieve the highest quality protein expression. 2.Patent biological brick technology can be successfully applied to the improvement and optimization of industrial strains.
Insect Baculovirus Expression System	<ol style="list-style-type: none"> 1.Greatly extended nucleocapsid of baculovirus, multiple foreign genes can be inserted, multiple natural promoters and can achieve multiple genes expression. 2.Higher expression level and can efficiently express foreign genes. 3.Possessing the post translational processing functions of eukaryotic expression systems, such as the formation of disulfides, glycosylation, and phosphorylation. 4.No endotoxin produce and easy to control the protein endotoxin content. 	Virus vaccines, signal proteins, cytokines, kinases, etc.	<ol style="list-style-type: none"> 1.Two expression hosts of AcNPV-sf9 cells and high5 cells are available for selection. 2.The selectivity of multiple expression systems, multiple hosts, and multiple vectors greatly improves the success rate of protein expression.
Mammalian Cell Expression System	<ol style="list-style-type: none"> 1.High expression level, capable of large-scale culture. 2.High expression stability and small inter batch difference of expressed foreign proteins. 3.Can guide the correct folding of proteins, provide multiple translation modifications such as complex N-type glycosylation, and express products are closest to natural advanced biological protein molecules in terms of molecular structure, physicochemical properties, and biological functions. 4.No endotoxin produce and easy to control the protein endotoxin content. 	Virus vaccines, signal proteins, cytokines, kinases, VLPs proteins, recombinant antibodies, etc.	A specific combination of mammalian cell expression vectors and multiple transfection methods, optimize expression conditions, can improve transfection efficiency, significantly shorten the experimental cycle and increase expression levels.



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