

Protein Purification

GeneCust

Expression Systems:

- ◆ E.coli
- ◆ Baculovirus
- ◆ Mammalian
- ◆ Pre-made Proteins

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Custom Protein Services

Protein Workflow



Protein Purification Features

- ◆ Fast turnaround times
- ◆ Customizable projects
- ◆ Multiple expression systems available
- ◆ Large-scale production capabilities
- ◆ Highly experienced purification team
- ◆ Strict confidentiality

1. E. coli Protein Purification Packages

- ◆ E. coli expression systems are the most well known and characterized hosts. Our team of highly trained professionals excel at successfully refolding and purifying proteins using our established protocols. We are pleased to offer many Guaranteed, Traditional and Intact Native Packages. As with any service, we can customize a package to fit your project. If you require a service not listed, please contact us for a quote!

Try one of our GUARANTEED Packages!

All of our Guaranteed Packages Include:	Deliverable
<ul style="list-style-type: none"> ◆ Subcloning into expression vector ◆ Expression pilot study: expression optimization and verification ◆ Large scale expression and purification ◆ QC testing: SDS-PAGE and protein concentration determination 	<ul style="list-style-type: none"> ◆ Weekly progress reports ◆ Purified, soluble protein ◆ QC data

Catalogue #	Description	Deliverable	Timeline	Price
W1002	◆ Scaled-Up Protein Expression, Standard, 1mg	Weekly progress reports <u>1 mg purified protein</u> <u>Purity>80%</u> QC data	4-6 weeks	990 €
W1003	◆ Scaled-Up Protein Expression, Standard, 3mg	Weekly progress reports <u>3 mg purified protein</u> <u>Purity>80%</u> QC data	6-8 weeks	1650 €
W1004	◆ Scaled-Up Protein Expression, Standard, 5mg	Weekly progress reports <u>5 mg purified protein</u> <u>Purity>80%</u> QC data	8-10 weeks	1980 €
W1005	◆ Scaled-Up Protein Expression, Standard, 15mg	Weekly progress reports <u>15 mg purified protein</u> <u>Purity>80%</u> QC data	10-12 weeks	2970 €

Catalogue #	Description	Deliverable	Timeline	Price
W1006	◆ Scaled-Up Protein Expression, Extra Pure, 1mg	Weekly progress reports <u>1 mg purified protein</u> <u>Purity>90%</u> QC data	4-6 weeks	1320 €
W1007	◆ Scaled-Up Protein Expression, Extra Pure, 3mg	Weekly progress reports <u>3 mg purified protein</u> <u>Purity>90%</u> QC data	6-8 weeks	1980 €
W1008	◆ Scaled-Up Protein Expression, Extra Pure, 5mg	Weekly progress reports <u>5 mg purified protein</u> <u>Purity>90%</u> QC data	8-10 weeks	2310 €
W1009	◆ Scaled-Up Protein Expression, Extra Pure, 15mg	Weekly progress reports <u>15 mg purified protein</u> <u>Purity>90%</u> QC data	10-12 weeks	3300 €
W1010	◆ Tag removal	Protein without tag	1-2 weeks	250 € / 1 mg
W1011	◆ Endotoxin removal	Protein, endotoxin level <1eu/ug	1-2 weeks	250 € / 1 mg

***Additional Terms and Conditions for Guaranteed Packages**

- Prices include customer providing the construct. Gene synthesis services are available for an additional cost.
- The size of the target protein must be less than 100 kDA
- In rare cases, GeneCust Europe may use alternative tags to purify a protein. The final protein may be tag containing.
- Pricing does not include tag removal or endotoxin removal. Additional charges apply for these services.
- GeneCust Europe guarantees that the protein will be soluble but does not guarantee the bioactivity or functionality of the protein. If the protein expresses as inclusion bodies, refolding will be done to make the protein soluble.
- If GeneCust Europe fails to deliver the final product, only the 50% upfront fee will be charged.
- Western Blot data is also available free of charge for any tagged proteins than can be detected by the anti-HIS antibody. Additional charges apply for all other proteins.

2. Baculovirus Protein Purification Packages

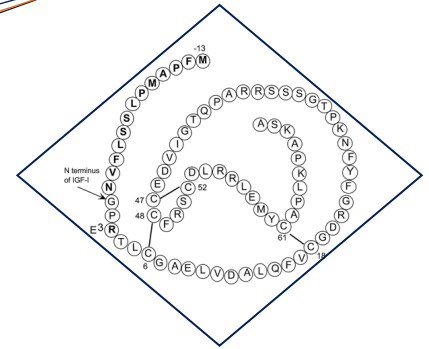
a) PUR-BACUV: Baculovirus protein expression– please inquire for pricing

- ◆ Baculovirus Expression and Purification allows for post-translational modifications, which can provide high expression levels and more cost effective projects than other eukaryotic expression systems.

Description	Deliverable	Timeline
<ul style="list-style-type: none"> ◆ Sub-cloning into recombinant bacmid DNA ◆ Generation of high titer viral stock ◆ Infection of insect cells with high titer stock ◆ Purification of protein ◆ QC testing: SDS-PAGE and protein concentration determination * 	<ul style="list-style-type: none"> ◆ Weekly progress reports ◆ Desired quantity of purified, soluble protein ◆ QC data 	9-12 weeks

*Western Blot data is also available free of charge for any tagged proteins than can be detected by the anti-HIS antibody. Additional charges apply for all other proteins.

Protein Packages



3. Mammalian Protein Purification Packages

a) PUR-MAML: Mammalian protein expression– please inquire for pricing

- ◆ Mammalian Expression and Purification is often used for recombinant glycoproteins and hormones. This expression is preferred as complete post-translational modifications are present in the purified protein.

Description	Deliverable	Timeline
<ul style="list-style-type: none"> ◆ Sub-cloning into mammalian expression system ◆ Transient expression and purification ◆ Stable Cell line establishment ◆ QC testing: SDS-PAGE and protein concentration determination * 	<ul style="list-style-type: none"> ◆ Weekly progress reports ◆ Desired quantity of purified, soluble protein ◆ QC data 	14-19 weeks

*Western Blot data is also available free of charge for any tagged proteins than can be detected by the anti-HIS antibody. Additional charges apply for all other proteins.

4. Yeast Protein Purification Packages

a) PUR-YEAST: Yeast protein expression– please inquire for pricing

- ◆ Yeast Expression and Purification is often used for structural studies. It is useful when creating proteins that would be toxic in E. coli because yeast cells do not create detectable endotoxins. Yeast cells allow the formation of disulfide bonds which allows for glycosylation. However, this glycosylation does not mimic mammalian cells .

Description	Deliverable	Timeline
<ul style="list-style-type: none"> ◆ Sub-cloning into mammalian expression system ◆ Transient expression and purification ◆ Stable Cell line establishment ◆ QC testing: SDS-PAGE and protein concentration determination * 	<ul style="list-style-type: none"> ◆ Weekly progress reports ◆ Desired quantity of purified, soluble protein ◆ QC data 	14-19 weeks

*Western Blot data is also available free of charge for any tagged proteins than can be detected by the anti-HIS antibody. Additional charges apply for all other proteins.

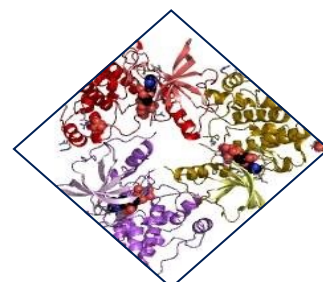
5. Additional Services

Item	Description	Price
Endotoxin Removal	◆ <1 eu/ug or custom request	From € 275
N-terminal Sequencing	◆ Sequencing of N-terminal amino acids	From € 275
Lyophilization	◆ Functional preservation and longer shelf life	From € 550
Fermentation Services	◆ Scale-up of fermentation process, up to 300L	From € 770
cGMP	◆ Fully equipped cGMP facility	Please inquire

Pre-made proteins: Cytokines and Interleukins

GeneCust Europe has recently launched our line of pre-made proteins. The line includes thousands of products at very competitive pricing.

The items below are an example of our products. If you don't see the product you are looking for here, please contact us by email: info@gencust.com. We look forward to hearing from you!



Product Code	Product Name	20 µg	100 µg	1 mg
RC217-14	Interferon-α2a; human IFN-α2a	€65.00	€130.00	€550.00
RC412-12	Human Growth Hormone (GH)	€65.00	€130.00	€207.00

€Product Code	Product Name	2 µg	10 µg	1 mg
RC215-18	Fibroblast Growth Factor-7; human FGF-7/KGF-1	€65.00	€130.00	€4125.00
RC235-18	Fibroblast Growth Factor-7; murine FGF-7	€65.00	€130.00	€4125.00
RC212-12A	Interleukin-1 alpha; human IL-1α	€65.00	€130.00	€3300.00
RC232-12A	Interleukin-1 alpha; murine Interleukin-1 alpha	€65.00	€130.00	€3300.00

Product Code	Product Name	10 µg	50 µg	1 mg
RC215-13	Fibroblast Growth Factor-basic; human FGF-basic	€65.00	€130.00	€1100.00
RC215-12	Fibroblast Growth Factor-acidic; human FGF-acidic	€65.00	€130.00	€1375.00
RC255-13	Fibroblast Growth Factor-basic; rat FGF-basic	€65.00	€130.00	€1100.00
RC235-13	Fibroblast Growth Factor-basic; murine FGF-basic	€65.00	€130.00	€1100.00
RC265-13	Fibroblast Growth Factor-basic; bovine FGF-basic	€65.00	€130.00	€1100.00
RC214-12	Tumor Necrosis Factor-alpha; human TNF-α	€65.00	€130.00	€1375.00

Product Code	Product Name	10 mg	50 mg	250 mg	1 g
PB0789	Protein A	\$28.00	€130.00	€493.00	€1375.00

Product Code	Product Name	5 mg	20 mg	100 mg	1 g
P6872	Protein G	€65.00	€130.00	€550.00	€2970.00

Thousands of proteins at everyday low prices.

Bulk pricing is also available!

GeneCust

Custom Services for Research



Thank you for your time.