

## Recombinant Protein Production Service

Biogem offers a comprehensive panel of options for recombinant protein (and recombinant antibody) production. We develop a tailored process starting from the protein sequence in order to deliver the desired protein with attributes to meet a variety of your research needs. Our service includes:

- Gene synthesis (with or w/o codon optimization) and expression plasmid preparation;
- Expression testing in the selected host (E.coli, Yeast or Mammalian cells)
- Expression optimization and set-up of the purification method
- Scale-Up of protein expression and purification,
- QC: Protein quantitation and analysis of purity and integrity by SDS-PAGE and/or Western Blot
- Protein characterization (HPLC, LC-MS/MS)
- Binding assay (SPR)
- Endotoxin-Removal
- Protein Labeling
- Development of Analytical Tools (I.e. ELISA)
- Generation of frozen stocks/cell bank

In order to have a quotation, please provide the following information:

### Protein Type

- Recombinant protein or fragment
- Full-Length Antibody
- Antibody fragment
- Other\_\_\_\_\_

### Expression Host

- Bacterial host (*E. coli*)
- Yeast (*P. pastoris*)
- Mammalian cells (CHO, Expi293)
- Other \_\_\_\_\_
- No preference

### Expression Vector:

- Available (you will provide it)
- To be generated (we will prepare it for your project)
- Other\_\_\_\_\_

**Tags**

- No tag available
- HIS tag
- Strep-Tag
- Fc tag
- Other
- No preference

**Application(s)** (*i.e. cell-based assay, ELISA, SPR, In vitro assays, Immunization purposes, in vivo studies*):

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**Protein Size** (*approximate length in aminoacid*): \_\_\_\_\_

**Protein Sequence** (*if available*):

**Production scale**

- Up to 1 mg
- Up to 10 mg
- Other \_\_\_\_\_

**Purification**

- >80%
- >90%
- >95%
- >99%

**Additional info:**

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*Please provide any helpful/relevant info*