

Recombinant Protein Production Service – Mammalian Host

The Recombinant Protein Production Service – Mammalian Host (RPPS-M) is designed to fulfill your scale-up needs for high-quality purified protein. BioBench has flexible production capacity to meet your diverse research needs. You only need to provide us with your reconstructed plasmid or sequence information, and we will perform cell culture as well as combined purification to deliver the final protein to you.

We offer production capacity ranging from 1mg to 1000mg, or customized quantities upon request.

Service and Time Line ¹	Client Provides ²	Content ³	Deliverables ³	Price ⁴
P110516 Recombinant Protein Production Service - Mammalian Host 5 – 8 weeks	<ol style="list-style-type: none"> Reconstructed plasmid. If client was not able to provide the plasmid, Bio Bench will synthesize it according to client provided sequence with minimum cost. Previous test results if available: expression level (mg/L) together with credited data (SDS-PAGE, WB, ELISA, etc.). Purification protocol if available. Or any type of open source information that show the expression and purification of the protein. 	<ol style="list-style-type: none"> Plasmid maxi-prep. CHO/HEK293 cell culture preparation. Cell transfection and cell culture. Protein purification through combined methods. Protein lyophilization is optional. QC: SDS-PAGE, WB and/or ELISA according to the protein. 	<ul style="list-style-type: none"> 1mg – 3mg purified protein. Protein purity: > 80%. QC and Report. 	Inquiry
Additional protein production available! 3 – 5mg, 5 – 10mg, 10 – 20mg, 20 – 30mg, 30 – 40mg and 40 – 50mg or more. Please inquire us for the price.				Inquiry

Benefit:

- ✓ Fast timeline, minimum 40 days the protein will be delivered.
- ✓ Guaranteed yield and guaranteed purity.
- ✓ Senior scientist supporting your project.
- ✓ Low cost, best fit.

Case study – Protein H production

Project description

Protein H is a secreted protein with molecular weight of 31.4kDa. Bio Bench reconstructed the plasmid, the cDNA was subcloned into pcDNA3.1 expression vector and incorporated with C-terminal His tag. The plasmid was transformed into HEK293T cell line. The culture medium was harvested on the 5th day. Ni-NTA column was used for protein purification.

A total amount of 11.4mg protein was harvested with the purity of 90%.

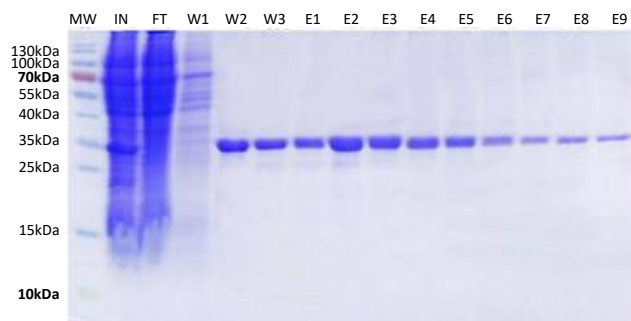


Fig.1 Ni-NTA purification of protein H.

MW: molecular weight marker; IN: injected sample; FT: flow through; W1-W3: wash fractions; E1-E9: elution fractions.

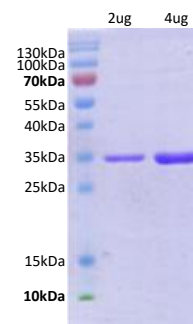


Fig.2 QC of the purified protein H.

2ug and 4ug: protein was loaded 2ug or 4ug protein was loaded in the indicated lane.

Terms and conditions:

- The indicated timeline may vary due to the service detail. Protein size shall between 10kDa to 90kDa. Please inquire Bio Bench if your protein exceeds the range.
- Bio Bench may refuse the project if the information is incomplete.
- Indicated price is for the service only. Any type of tax, fee, charge, tariff and/or interest is excluded.
- Bio Bench reserves the right to decide if a project is qualified for "Recombinant Protein Production Service - Mammalian Host". "Mammalian Expression Standard Service" may be advised.

BIO BENCH – Boost research.

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