

Biotinylated Recombinant Human IL-6RA/CD126 Protein

Catalog No.: RP02425B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3570	P08887

Tags

C-His&Avi

Synonyms

IL6R;CD126;IL-6R-1;IL-6RA;IL6Q;IL6RA;IL6RQ;gp80

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 94% by SEC-HPLC

Calculated MW	Observed MW
41.4 kDa	70-80 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

 | 400-999-6126

 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

Background

The multifunctional factor interleukin 6 (IL-6) exerts its activities through binding to a high-affinity receptor complex consisting of two membrane glycoproteins: an 80 kDa component receptor that binds IL-6 with low affinity (IL-6R alpha) and a signal-transducing component of 130 kDa (gp130) that does not bind IL-6 by itself, but is required for high-affinity binding of IL-6 by the complex. Both components of the receptor complex, IL-6R alpha and gp130 have been cloned, sequenced, and expressed.

Basic Information

Description

Biotinylated Recombinant Human IL-6RA/CD126 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Leu20-Pro365) of Human IL-6RA fused with a His and Avi tag at the C-terminal.

Bio-Activity

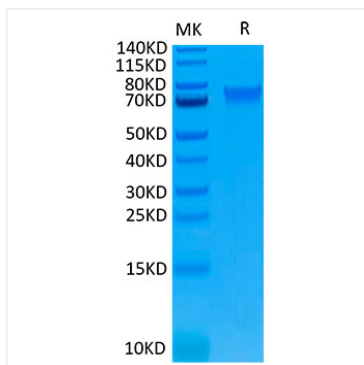
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

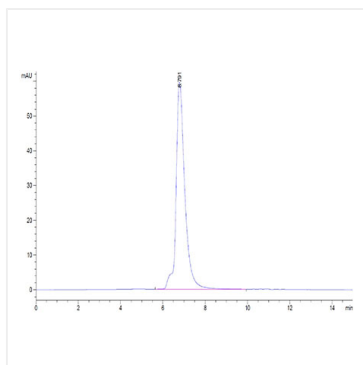
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

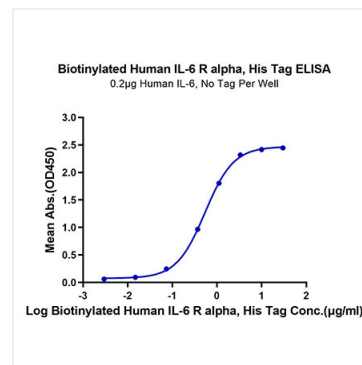
Validation Data



Biotinylated Human IL-6 R alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human IL-6 R alpha is greater than 95% as determined by SEC-HPLC.



Immobilized Human IL-6, No Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-6 R alpha, His Tag with the EC₅₀ of 0.54µg/ml determined by ELISA.