

Biotinylated Recombinant Human IL-6RA/CD126 Protein

Catalog No.: RP02425B

Sequence Information

Species	Gene ID
Human	3570
Swiss Prot	Tags
P08887	C-His&Avi

Synonyms

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

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 90 % as determined by 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.

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

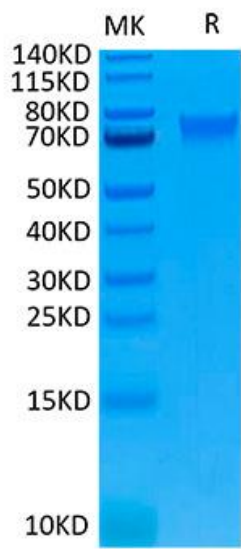
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

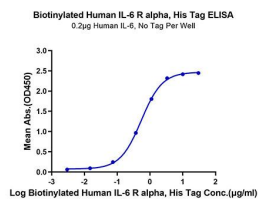
Contact

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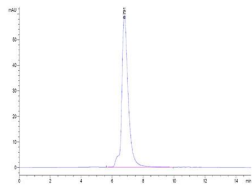
Validation Data



Biotinylated Recombinant Human IL-6RA/CD126 Protein was determined by Tris-Bis PAGE under reducing conditions with Coomassie Blue.



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.



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