Recombinant Human IL-6RB/gp130/CD130 Protein

Catalog No.: RP01217

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Sequence Information

Species
Human

Gene ID
3572

Swiss Prot
P40189

Tags
C-hFc&His

Synonyms
IL6ST,CD130,CDW130,GP130,IL-6RB

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
96.99 kDa

Observed MW
120-150 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

IL-6 receptor subunit beta is also known as IL-6R subunit beta, IL-6R-beta, IL-6RB, Interleukin-6 signal transducer, Membrane glycoprotein 130 (gp130), CD130, Oncostatin-M receptor subunit alpha and Il6st,which is single-pass type I membrane protein. IL-6RB/gp130/CD130 can be found in tissues such as brain, heart, thymus, spleen, kidney, lung and liver and found in all the cell lines tested except BaF-B03.The expression of IL-6ST /gp130 is not restricted to IL6-responsive cells. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1 and BSF3 can utilize gp130 for initiating signal transmission. IL6ST /CD130 can bind to IL6 /IL6R (alpha chain) complex, resulting in the formation of high-affinity IL6 binding sites, and transduce the signal. IL6ST /GP130 does not bind IL6 and may have a role in embryonic development.

Basic Information

Description
Recombinant Human IL-6RB/gp130/CD130 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Ile618) of human gp130/CD130/IL-6 R beta (Accession #NP_002175.2) fused with a Fc, 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Human OSM (Catalog: RP00054) at 5μg/mL (100μL/well) can bind Human IL-6RB/gp130 /CD130 (Catalog: RP01217)with a linear range of 1.2-9.98 ng/mL in the presence of 2μg/mL Human OSMR (Catalog: RP00224).

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℃

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

Contact

400-999-6126
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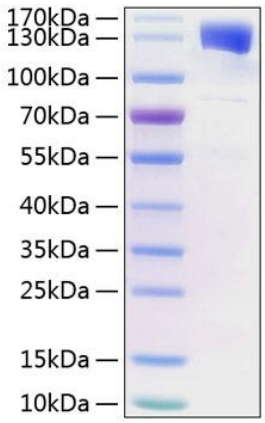
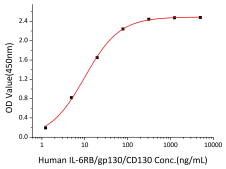
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human IL-6RB/gp130/CD130 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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