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Recombinant Mouse IL-6RB/gp130/CD130 Protein

Catalog No.: RP03281 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16195	Q00560

Tags
C-His

Synonyms
Interleukin-6 receptor subunit beta; IL-6R subunit beta; IL-6R-beta; IL-6RB; gp130; CD130; Il6st; Oncostatin-M receptor subunit alpha; CDw130

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
68 kDa	80-90 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. 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.

Contact

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Background

gp130 is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and Oncostatin M (OSM). gp130 functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. CD130/gp130 plays a critical role in regulating myocyte apoptosis.

Basic Information

Description
Recombinant Mouse IL-6RB/gp130/CD130 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Glu617) of mouse IL-6RB/gp130/CD130 (Accession #Q00560) fused with His tag at the C-terminus.

Bio-Activity
Measured by its ability to inhibit the IL-6Rα enhancement of IL-6 activity on M1 mouse myeloid leukemia cells. The ED_{50} for this effect is typically 0.6-3 μg/mL in the presence of 50 ng/mL recombinant human IL-6sR and 100 ng/mL recombinant human IL-6.

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃. Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

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

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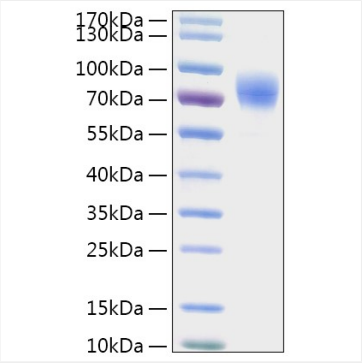
Validation Data



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

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