

Recombinant Mouse IL-6RB/gp130/CD130 Protein

Catalog No.: RP03281 Recombinant

Sequence Information

Species Gene ID Swiss ProtMouse 16195 000560

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 Cterminus.

Bio-Activity

Measured by its ability to inhibit the IL-6R α enhancement of IL-6 activity on M1 mouse myeloid leukemia cells. The ED $_{50}$ for this effect is typically 0.6-3 μ g/mL in the presence of 50 ng/mL recombinant human IL-6sR and 100 ng/mL recombinant human IL-6.

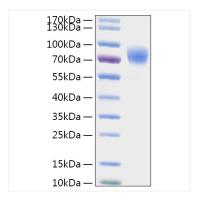
Storage

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



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