

# 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% by SDS-PAGE.

Calculated MW	Observed MW
68 kDa	80-90 kDa

### Endotoxin

< 1.0 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 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

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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<sub>50</sub> 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.

### Storage

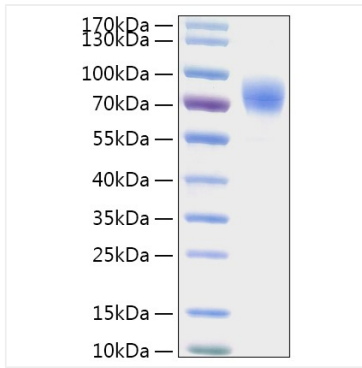
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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

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Recombinant Mouse IL-6RB/gp130/CD130 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 80-90 kDa.