

Mouse gp130/CD130 (His Tag) recombinant protein



Catalog Number: 504186

General Information

Gene Name Synonym

Interleukin-6 signal transducer; Membrane glycoprotein 130; Oncostatin-M receptor subunit alpha

Protein Construction

A DNA sequence encoding the mouse gp130 (NP_034690.3) extracellular domain (Met 1-Glu 617) was fused with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind mouse IL11Ra in a functional ELISA.
2. Measured by its ability to inhibit the IL6 R α enhancement of IL6 activity on M1 mouse myeloid leukemia cells (Saito, T. et al. 1991, J. Immunol. 147:168.). The ED₅₀ for this effect is typically 0.6-3 μ g/mL in the presence of 10 ng/mL recombinant human IL6 sR and 20 ng/mL recombinant human IL6.

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ g of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from

date of receipt at -70°C

Predicted N terminal

Glu 19

Molecular Mass

The secreted recombinant mouse gp130 consists of 606 amino acids and has a predicted molecular mass of 68 kDa. As a result of glycosylation, the apparent molecular mass of rm gp130 is approximately 80-90 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

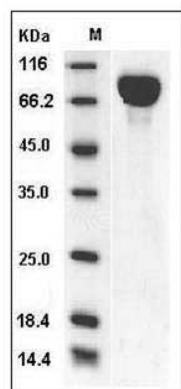
Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE

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SDS-PAGE