

Human gp130/CD130/IL-6 R beta Protein

Cat. No. GP1-HM130

Description

Source	Recombinant Human gp130/CD130/IL-6 R beta Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu23-Glu619.
Accession	P40189-1
Molecular Weight	The protein has a predicted MW of 68.94 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

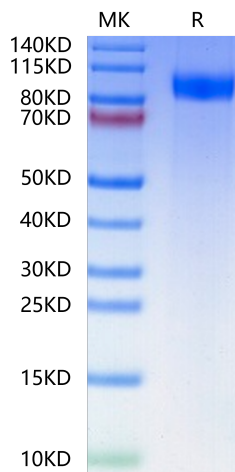
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

gp130 is a common signal transducing component of the functional receptor complexes for the interleukin (IL)-6 family of cytokines, ie, IL-6, IL-11, leukemia inhibitory factor (LIF), oncostatin M, ciliary neurotrophic factor, and cardiotrophin-1. These cytokines exhibit pleiotropic biological activities in, for instance, immune, hematopoietic, and neural systems, and function in a redundant manner owing to the shared usage of gp130.

Assay Data

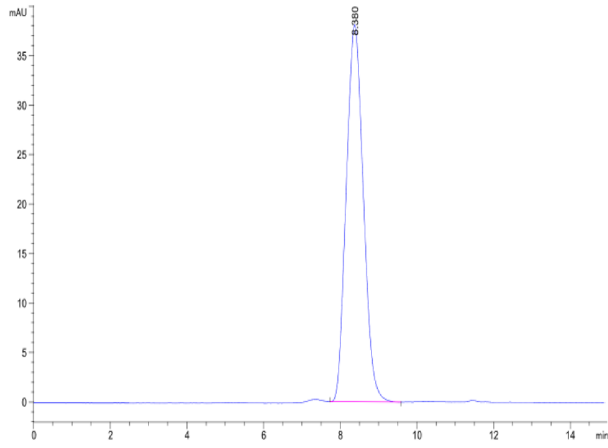
Tris-Bis PAGE



Human gp130 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Human gp130 is greater than 95% as determined by SEC-HPLC.