

Human gp130/CD130/IL-6 R beta Protein



Cat. No. GP1-HM130

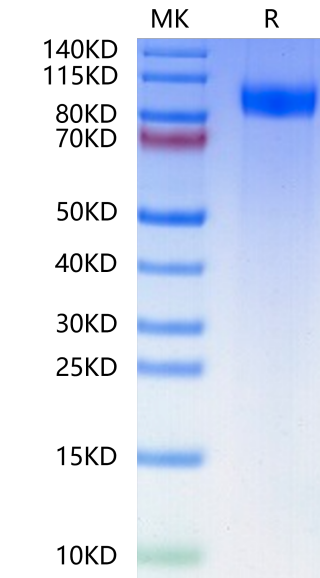
Description	
Source	Recombinant Human gp130/CD130/IL-6 R beta Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu23-Glu619.
Accession	P40189-1
Molecular Weight	The protein has a predicted MW of 68.94 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris 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	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months 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

Bis-Tris PAGE



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

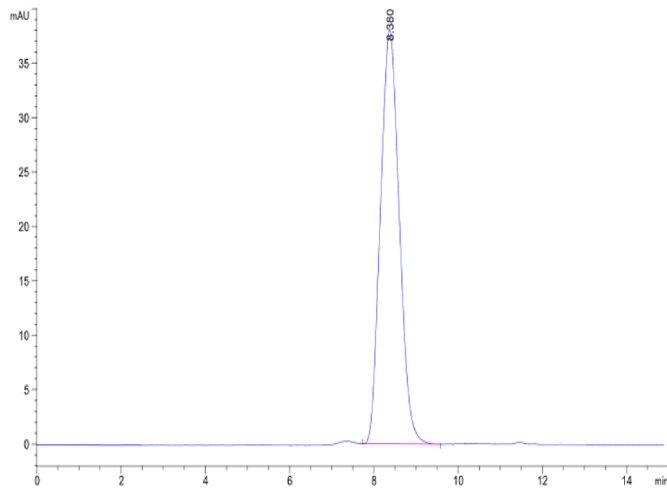
SEC-HPLC

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Assay Data

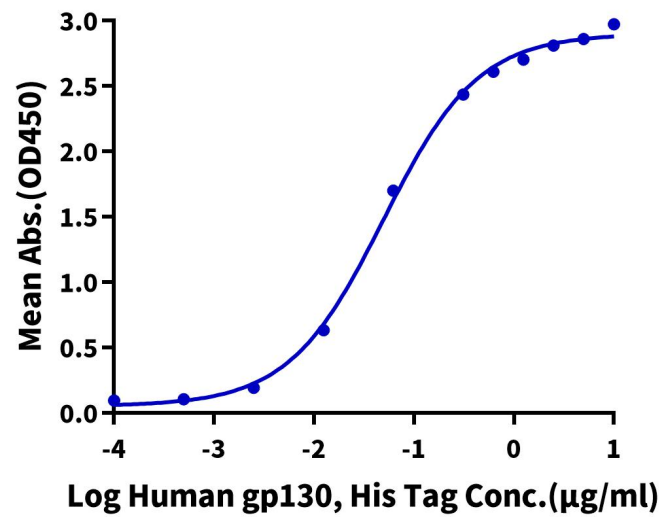


The purity of Human gp130 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human gp130, His Tag ELISA

0.2µg Human IL-6 R alpha, hFc Tag Per Well



Immobilized Human IL-6 R alpha, hFc Tag at 2µg/ml (100µl/well) on the Human IL-6, No Tag precoated plate (5µg/ml). Dose response curve for Human gp130, His Tag with the EC50 of 49.6ng/ml determined by ELISA (QC Test).