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## CD130/gp130 Protein (His tag,Fc Tag)



## Image



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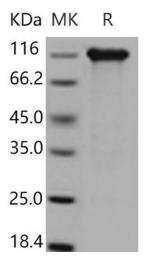
Quantity:	100 μg	
Target:	CD130/gp130 (IL6ST)	
Origin:	Rat	
Source:	HEK-293 Cells	
Protein Type:	Recombinant	
Biological Activity:	Active	
Purification tag / Conjugate:	: This CD130/gp130 protein is labelled with His tag,Fc Tag.	

#### **Product Details**

Purpose:	Recombinant Rat IL6ST/CD130 Protein (His & Fc Tag)(Active)
Sequence:	Met 4-Glu 618
Characteristics:	A DNA sequence encoding the rat IL6ST (NP_001008725.2) extracellular domain (Met 4-Glu 618) was fused with the C-terminal polyhistidine-tagged Fc region of mouse IgG1 at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	$<$ 1.0 EU per $\mu g$ of the protein as determined by the LAL method
Biological Activity Comment:	Measured by its ability to inhibit the IL6 R $\alpha$ 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 0.015-0.075 $\mu$ g/ml in the presence of 50 ng/ml recombinant human IL6sR and 100 ng/ml recombinant human IL6.

## Target Details

Target:	CD130/gp130 (IL6ST)		
Alternative Name:	IL6ST/CD130 (IL6ST Products)		
Background:	Background: Glycoprotein 130 (also known as gp130, IL6ST, IL6-beta or CD130) is a		
	transmembrane protein which is the founding member of the class of all cytokine receptors.		
	CD130/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).		
	CD130/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. Alternatively spliced transcript variants encoding		
	distinct isoforms have been described. A related pseudogene has been identified on		
	chromosome 17. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1 and BSF3 can		
	utilize gp130 for initiating signal transmission. CD130/gp130 binds to IL6/IL6R (alpha chain)		
	complex, resulting in the formation of high-affinity IL6 binding sites, and transduces the signa		
	CD130/gp130 may have a role in embryonic development. The type I OSM receptor is capable		
	of transducing OSM-specific signaling events.		
	Synonym: Ac1055,Gp130,II-6rb		
Molecular Weight:	94.3 kDa		
NCBI Accession:	NP_001008725		
Pathways:	JAK-STAT Signaling, Cellular Glucan Metabolic Process, Autophagy, Smooth Muscle Cell		
	Migration, Cancer Immune Checkpoints		
Application Details			
Restrictions:	For Research Use only		
Handling			
Format:	Lyophilized		
Reconstitution:	Please refer to the printed manual for detailed information.		
Buffer:	Lyophilized from sterile PBS, pH 7.4		
Storage:	4 °C,-20 °C,-80 °C		
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.		
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted		
	samples are stable at < -20°C for 3 months.		



## **Western Blotting**

Image 1.