Recombinant Human IL6ST Protein (His Tag)

RPES8290

Product Information

Product SKU:	RPES8290	**Expression Host**:	Mammalian	**Size**:	20µg
Tag:	C-His	**Reactivity**:	Human	**Accession**:	P40189-1

Additional Information

Calculated MW:	65.5 kDa	**Observed MW:**	80-100 kDa
Sequence:	Glu23-Glu619		

Protein Information

Background: Glycoprotein 130 (also known as gp130, IL6ST, IL6-beta, or CD130) is a transmembrane protein that 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 signal. CD130/gp130 may have a role in embryonic development. The type I OSM receptor is capable of transducing OSM-specific signaling events.

Synonyms: CD130, CD130 antigen, CDw130, gp130, GP130 RAPS, IL 6R beta, IL-6 receptor subunit beta, IL-6R subunit beta, IL-6R-beta, IL-6RB, IL6 ST, IL6RB_HUMAN, IL6ST, Interleukin 6 receptor subunit beta, Interleukin receptor beta chain, Interleukin-6 receptor subunit beta, Interleukin-6 signal transducer, Membrane glycoprotein 130,

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	Membrane glycoprotein gp130, Oncostatin M receptor, Oncostatin M receptor alpha subunit, Oncostatin-M receptor subunit alpha
Endotoxin:	< 1.0 EU/mg of the protein as determined by the LAL method
Formulation:	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Purity:	> 90% as determined by reducing SDS-PAGE.
Bio-Activity:	Not validated for activity
Storage:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.

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