Recombinant Mouse IL6ST protein, Fc-tagged

Cat. No. IL6ST-353M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL6ST protein (Gln23-Glu617), fused to human IgG1 Fc tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Mouse
Source	HEK293
ProteinLength	595
Description	Interleukin-6 receptor subunit beta (IL6ST) is also known as IL-6 receptor subunit beta, IL-6R subunit beta, IL-6R-beta, IL-6RB, Interleukin-6 signal transducer, Membrane glycoprotein 130 (gp130), CD130, Oncostatin-M receptor subunit alpha and Il6st,which is single-pass type I membrane protein. IL6ST/gp130/CD130 can be found in tissues such as brain, heart, thymus, spleen, kidney, lung and liver and found in all the cell lines tested except BaF-B03.The expression of IL-6ST/gp130 is not restricted to IL6-responsive cells. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1 and BSF3 can utilize gp130 for initiating signal transmission. IL6ST/CD130 can bind to IL6/IL6R (alpha chain) complex, resulting in the formation of high-affinity IL6 binding sites, and transduce the signal. IL6ST/GP130 does not bind IL6 and may have a role in embryonic development.
Form	Lyophilized from 0.22 um filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 93.3 kDa. The protein migrates as 120-130 kDa

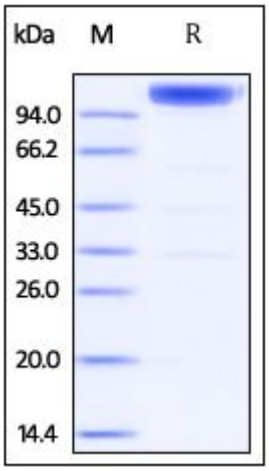
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IL6ST
Official Symbol	IL6ST
Synonyms	IL6ST; interleukin 6 signal transducer; interleukin-6 receptor subunit beta; IL-6RB; IL-6R-beta; IL-6R subunit beta; membrane glycoprotein 130; IL-6 receptor subunit beta; interleukin-6 signal transducer; oncostatin-M receptor subunit alpha; CD130; gp130; AA389424; BB405851; D13Ertd699e; 5133400A03Rik
Gene ID	16195
mRNA Refseq	NM_010560

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_034690
UniProt ID	Q6PDI9
SDS-PAGE of IL6ST-353M	 Mouse gp130, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA