

Recombinant Mouse Il6st Protein, His-tagged

Cat. No. Il6st-356M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse IL6st, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
Description	IL6st, also known as interleukin-6 receptor subunit beta, is a transmembrane protein which is the founding member of the class of all cytokine receptors. It forms one subunit of the type I cytokine receptor within the IL-6 receptor family. It is often referred to as the common gp130 subunit, and is important for signal transduction following cytokine engagement. As with other type I cytokine receptors, gp130 possesses a WSXWS amino acid motif that ensures correct protein folding and ligand binding. It interacts with Janus kinases to elicit an intracellular signal following receptor interaction with its ligand. Structurally, gp130 is composed of five fibronectin type-III domains and one immunoglobulin-like C2-type (immunoglobulin-like) domain in its extracellular portion.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	67.7kDa (603aa)70-100kDa (SDS-PAGE under reducing conditions)
AA Sequence	QLLEPCGYIY PEFVQVRGS NFTAICVLKE ACLQHYYVNA SYIVWKTNHA AVPREQVTVI NRTTSSVTFT DVVLPSVQLT CNILSFGQIEQNVYGVMTLS GFPPDKPTNL TCIVNEGKNM LCQWDPGRET YLETNYTLKS EWATEKFPDC

 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

QSKHGTSCMV SYMPTYVNI EVWVEAENALGKVSSSEINF DPVDKVKPTP
 PYNLSVTNSE ELSSILKLSW VSSGLGGLLD LKSDIQYRTK DASTWIQVPL
 EDTMSPRTSF TVQDLKPFTEYVFRIRSIKD SGKGYWSDWS EEASGTTYED
 RPSRPPSFWY KTNPSHGQEY RSVRLIWKAL PLSEANGKIL DYEVIQTQSK
 SVSQTYYTVTGTELTVNLTND RYVASLAARN KVGKSAAAVL TIPSPHVTAA
 YSVVNLKAFP KDNLLWVEWT PPPKPVSKYI LEWCVLSENA
 PCVEDWQQEDATVNRTHLRG RLLESKCYQI TVTPVFATGP GGSESLKAYL
 KQAAPARGPT VRTKKVGKNE AVLAWDQIPV DDQNGFIRNY
 SISYRTSVGKEMVVHVDSSH TEYTLSSLSS DTLYMVRMAA YTDEGGKDGP
 EFTFTTPKFA QGEIELEHHH HHH

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity >95% by SDS - PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name *Il6st interleukin 6 signal transducer [Mus musculus]*

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; D13Ert699e; 5133400A03Rik;

 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

Gene ID	16195
mRNA Refseq	NM_010560
Protein Refseq	NP_034690
MIM	
UniProt ID	
Pathway	Adipogenesis, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; ESC Pluripotency Pathways, organism-specific biosystem; IL-6 signaling Pathway, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem;
Function	ciliary neurotrophic factor receptor activity; ciliary neurotrophic factor receptor binding; growth factor binding; contributes_to interleukin-11 binding; contributes_to interleukin-11 receptor activity; interleukin-6 receptor activity; protein binding; protein heterodimerization activity;