

Interleukin-6 receptor subunit beta, 23-617aa

Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3201

NCBI Accession No.: NP_034690

Synonyms: Il6st, 5133400A03Rik, AA389424, BB405851, CD130, D13Ert699e, gp130

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. Recombinant mouse IL6st, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
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Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com

Product information

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 67.7kDa (603aa)

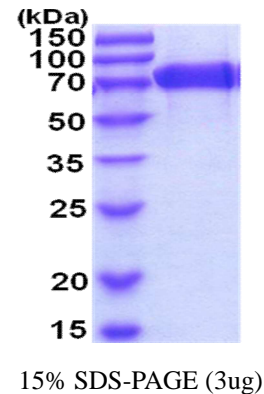
70-100kDa (SDS-PAGE under reducing conditions)

Predicted N terminal: Gln23

Purity: > 95% by SDS – PAGE.

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

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



Sequences of amino acids:

QLLEPCGYIY PEFVQVQRGS NFTAICVLKE ACLQHYYVNA SYIWKTNHA AVPREQVTVI NRTTSSVTFT DVVLPSVQLT CNILSFGQIE
 QNVYGVMTLS GFPPDKPTNL TCIVNEGKNM LCQWDPGRET YLETNYTLKS EWATEKFPDC QSKHGTSCMV SYMPTYVNI EVWVEAENAL
 GKVSSSEINF DPVDKVKPTP PYNLSVTNSE ELSSILKLSW VSSGLGGLLD LKSDIQYRTK DASTWIQVPL EDTMSPRTSF TVQDLKPFTE
 YVFRIRSIKD SGKGYWSDWS EEASGTTYED RPSRPPSFY KTNPSHGQEQY RSVRLIWKAL PLSEANGKIL DYEVIILTQSK SVSQTYTVTGT
 TELTVNLTND RYVASLAARN KVGKSAAVL TIPSPHVTA YSVVNLKAFP KDNLLWVEWT PPPKPVSKYI LEWCVLSENA PCVEDWQQED
 ATVNRTHLRG RLLESKYQI TVTPVFATGP GGSESLKAYL KQAAPARGPT VRTKKVGKNE AVLAWDQIPV DDQNGFIRNY SISRYSVVGK
 EMVVHVDSH TEYTLSSLSS DTLYMVRMAA YDEGGKDG P EFTFTPKFA QGEIELEHHH HHH

General references:

Saito M., *et al.* (1992) *J Immunol.* 148: 4066-4071.

Murakami M., *et al.* (1993) *Science.* 260:1808-1810.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

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