Recombinant mouse GP130/IL6ST protein

Catalog Number: ATGP3201

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
23-617aa

UniProt No.
Q00560

NCBI Accession No.
NP_034690

Alternative Names
Interleukin-6 receptor subunit beta, IL-6R subunit beta, IL-6R-beta, IL-6RB, Interleukin-6 signal transducer, Membrane glycoprotein 130, gp130, Oncostatin-M receptor subunit alpha, CD130

PRODUCT SPECIFICATION

Molecular Weight
67.7 kDa (603aa)

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

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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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.

Amino acid Sequence

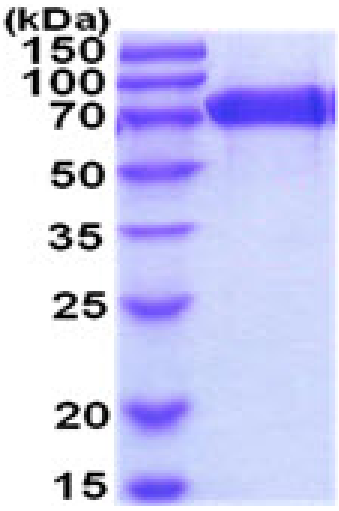
QLLEPCGYIY PEFPVVQRGS NFTAICVLKE ACLQHYYVNA SYIVWKTNHA AVPREQVTVI NRTTSSVTFT DVVLPSVQLT CNILSFGQIE QNVYGVTMLS GFPPDKPTNL TCIVNEGKNM LCQWDPGRET YLETNYTLKS EWATEKFPDC QSKHGTSCMV SYMPTYYVNI EVWVEAENAL GKVSSESINF DPVDKVKPTP PYNLSVTNSE ELSSILKLSW VSSGLGGLLD LKSDIQYRTK DASTWIQVPL EDTMSPRTSF TVQDLKPFTE YVFRIRSIKD SGKGYWSDWS EEASGTTYED RPSRPPSFWY KTNPSHGQEY RSVRLIWKAL PLSEANGKIL DYEVILTQSK SVSQTYTVTG TELTVNLTND RYVASLAARN KVGKSAAAVL TIPSPHVTAA YSVVNLKAFP KDNLLWVEWT PPPKPVSKYI LEWCVLSENA PCVEDWQQED ATVNRTHLRG RLLESKCYQI TVTPVFATGP GGSESLKAYL KQAAPARGPT VRTKKVGKNE AVLAWDQIPV DDQNGFIRNY SISYRTSVGK EMVVHVDSSH TEYTLSSLSS DTLYMVRMAA YTDEGGKDGP EFTFTTPKFA QGEIELEHHH HHH

General References

Saito M., et al. (1992) J Immunol. 148: 4066-4071.
Murakami M., et al. (1993) Science. 260:1808-1810.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.