

AR51956PU-S

Mouse CD130 / IL6ST (23-617, His-tag) - Purified

Alternate names:

IL-6R-beta, IL6 receptor beta, Interleukin-6 receptor subunit beta

Quantity:

50 µg

Concentration:

1.0 mg/ml (determined by absorbance at 280nm)

Background:

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 sigl 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 kises to elicit an intracellular sigl 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. Recombint mouse IL6st, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventiol chromatography techniques.

Uniprot ID:

[Q00560](#)

NCBI:

[NP_034690](#)

Species:

Mouse

Source:

Insect cells

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

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

Description:

AA Sequence:

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QLLEPCGYIY PEFVQVQRGS NFTAICVLKE ACLQHYYVNA SYIVWKTNHA AVPREQVTVI
NRTTSSVTFT DVVLPSVQLT CNILSFGQIE QNVYGVMTLS GFPPDKPTNL TCIVNEGKNM
LCQWDPGRET YLETNYTLKS EWATEKFPDC QSKHGTSCMV SYMPTYVNI EVWVEAENAL
GKVSSSEINF DPVDKVKPTP PYNLSVTNSE ELSSILKLSW VSSGLGGLLD LKSDIQYRTK
DASTWIVQPL EDTMSPRTSF TVQDLKPFE YVFRIRSIKD SGKGYWSDWS EEASGTTYED
RPSRPPSFY KTNPSHGQY RSVRLIWKAL PLSEANGKIL DYEVIQTQSK SVSQTYYVTG
TELTVNLTND RYVASLAARN KVGKSAAYL TIPSPHVTAA YSVVNLKAFP KDNLLWWEWT
PPPKPVSKYI LEWCVLSENA PCVEDWQQED ATVNRTHLRG RLLESKCYQI TVTPVFATGP
GGSESLKAYL KQAAPARGPT VRTKKVGKNE AVLAWDQIPV DDQNGFIRNY SISYRTSVGK
EMVVHVDSSH TEYTLSSLSS DTYLMVRMAA YTDEGGKDG EFTFTTPKFA QGEIELEHHH HHH

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Molecular weight: 67.7 kDa (603aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:

