

Product datasheet for **AR51956PU-S**

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

Product data:

Product Type:	Recombinant Proteins
Description:	CD130 / IL6ST (23-617, His-tag) mouse protein, 50 µg
Species:	Mouse
Expression Host:	Insect
Expression cDNA Clone or AA Sequence:	QLLEPCGYIY PEFVWVQRGS NFTAICVLKE ACLQHYYVNA SYIVWKTNHA AVPREQVTVI NRTTSSVTFT DVVLPVQLT CNILSFGQIE QNVYGVMTLS GFPPDKPTNL TCIVNEGKMN LCQWDPGRET YLETNYTLKS EWATEKFPDC QSKHGTSCMV SYMPTYVNI EVWVEAENAL GKVSSEINFPDPVDKVKPTP PYNLSVTNSE ELSSILKLSW VSSGLGGLLD LKSDIQYRTK DASTWIVQVPL EDTMSPRTSF TVQDLKPFTE YVFRIRSIKD SGKGYWSDWS EEASGTTYED RPSRPPSFY KTNPSHGQEY RSVRLIWKAL PLSEANGKIL DYEVIQTQSK SVSQTYYVTG TELTVNLTND RYVASLAARN KVGKSAAAVL TIPSPHVTAA YSVVNLKAFP KDNLLWVEWT PPPKPVSKYI LEWCVLSENA PCVEDWQQED ATVNRTHLRG RLLESKCYQI TVTPVFATGP GGSESLKAYL KQAAPARGPT VRTKKVKGKNE AVLAWDQIPV DDQNGFIRNY SISYRTSVGK EMVWVVDSSH TEYTLSSLSS DTLYMVRMAA YTDEGGKDGPEFTFTPKFA QGEIELEHHH HHH
Tag:	His-tag
Predicted MW:	67.7 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Endotoxin:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation:	Liquid purified protein
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_034690
Locus ID:	16195



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UniProt ID:	Q00560 , Q6PDI9
Cytogenetics:	13 63.73 cM
Synonyms:	5133400A03Rik; AA389424; BB405851; CD130; D13Ert699e; gp130
Summary:	Signal-transducing molecule. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1 and BSF3 can utilize IL6ST for initiating signal transmission. Binding of IL6 to IL6R induces IL6ST homodimerization and formation of a high-affinity receptor complex, which activates Janus kinases (PubMed:1602143). That causes phosphorylation of IL6ST tyrosine residues which in turn activates STAT3 (PubMed:10661409). Mediates signals which regulate immune response, hematopoiesis, pain control and bone metabolism (PubMed:10661409, PubMed:26255596, PubMed:25057188, PubMed:8552649). Has a role in embryonic development (PubMed:10661409). Does not bind IL6 (By similarity). Essential for survival of motor and sensory neurons and for differentiation of astrocytes (PubMed:10377352). Required for expression of TRPA1 in nociceptive neurons (PubMed:25057188). Required for the maintenance of PTH1R expression in the osteoblast lineage and for the stimulation of PTH-induced osteoblast differentiation (PubMed:25228504). Required for normal trabecular bone mass and cortical bone composition (PubMed:24339143, PubMed:9348227, PubMed:26255596).[UniProtKB/Swiss-Prot Function]

Product images:

