Recombinant human GP130/IL6ST protein

Catalog Number: ATGP3271

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
23-619aa

UniProt No.
Q17RA0

NCBI Accession No.
AAI17405

Alternative Names
Interleukin 6 cytokine family signal transducer, gp130, oncostatin M receptor, GP130, CD130, sGP130, membrane glycoprotein 130, Interleukin-6 receptor subunit beta, IL-6RB

PRODUCT SPECIFICATION

Molecular Weight
68.9 kDa (605aa)

Concentration
0.25mg/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 interleukin6 signal transducer, belongs to class 1 cytokine receptor family. Binding of IL-6 (IL-11) to either the membrane-anchored or soluble IL-6R (IL-11R) initiates the association of IL-6 R (IL-11 R) with IL6ST when then undergoes homo-dimerization and signal transduction. Recombinant human IL6ST, fused to His-

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tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

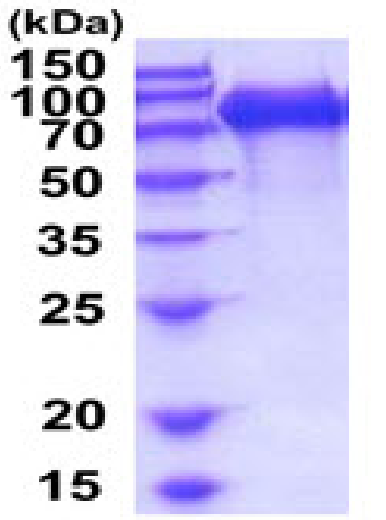
ELLDPCGYIS PESPVVQLHS NFTAVCVLKE KCMDYFHVNA NYIVWKTNHF TIPKEQYTII NRTASSVTFT DIASLNIQLT CNILTFGQLE QNVYGITIIS GLPPEKPKNL SCIVNEGKKM RCEWDRGRET HLETNFTLKS EWATHKFADC KAKRDTPTSC TVDYSTVYFV NIEVWVEAEN ALGKVTSDHI NFDPVYKVKP NPPHNLSVIN SEELSSILKL TWTNPSIKSV IILKYNIQYR TKDASTWSQI PPEDTASTRS SFTVQDLKPF TEYVFRIRCM KEDGKGYWSD WSEEASGITY EDRPSKAPSF WYKIDPSHTQ GYRTVQLVWK TLPPFEANGK ILDYEVTLTR WKSHLQNYTV NATKLTVNLT NDRYVATLTV RNLVGKSDAA VLTIPACDFQ ATHPVMDLKA FPKDNMLWVE WTTPRESVKK YILEWCVLSD KAPCITDWQQ EDGTVHRTYL RGNLAESKCY LITVTPVYAD GPGSPESIKA YLKQAPPSKG PTVRTKKVGK NEAVLEWDQL PVDVQNGFIR NYTIFYRTII GNETAVNVDS SHTEYTLSSL TSDTLYMVRM AAYTDEGGKD GPEFTFTTPK FAQGEIELEH HHHHH

General References

Narazaki M., et al. (1993) Blood 82:1120-1126.
Taga T. and T. Kishimoto (1997) Annu. Rev. Immunol. 15:797-819.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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