

IL6ST (Human) Recombinant Protein

Catalog # P8300

Size 5 ug

Specification

Product Description	Human IL6ST (Q17RA0, 23 a.a. - 619 a.a.) partial recombinant protein with His tag at C-terminus expressed in Sf9 cells.
Sequence	ELLDPCGYISPESPVVQLHSNFTAVCVLKEKCMDYFHVNANYVWKTNHFTIPKEQYTIINRTASSVT FTDIASLNIQLTCNILTFGQLEQNVYGITISGLPPEKPKNLSCIVNEGKKMRCEWDRGRETHLETNFT LKSEWATHKFADCKAKRDTPTSC TVDYSTVYFVNIEVWVEAENALGKVTSDHINFDPVYKVKPNP PHNLSVINSEELSSILKLTWTNPSIKSVIILKYNIQYRTKDASTWSQIPPEDTASTRSSFTVQDLKPFT EYVFRIRCMKEDGKGYWSDWSEEASGITYEDRPSKAPSFYKIDPSHTQGYRTVQLVWKTLPFF EANGKILDYEVTLTRWKSHLQNYTVNATKLTVNLTNDRYVATLTVRNLVGKSDAAVLTPACDFQAT HPVMDLKAFPKDNMLWVEWTPRESVKKYLEWCVLSDKAPCITDWQQEDGTVHRTYLRGNLAE SKCYLITVTPVYADGPGSPESIKAYLKQAPPSKGPTVRTKKVGKNEAVLEWDQLPVDVQNGFIRN YTIFYRTIIGNETAVNVDSSHTEYTLSSLTSDTLYMVRMAAYTDEGGKDGPEFTFTTPKFAQGEIELE HHHHHH
Host	insect
Theoretical MW (kDa)	68.90000000000001
Form	Liquid
Preparation Method	Sf9 cell expression system
Purity	> 95% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study

- SDS-PAGE

Gene Info — IL6ST

Entrez GeneID	3572
Protein Accession#	Q17RA0
Gene Name	IL6ST
Gene Alias	CD130, CDw130, GP130, GP130-RAPS, IL6R-beta
Gene Description	interleukin 6 signal transducer (gp130, oncostatin M receptor)
Omim ID	600694
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and oncostatin M (OSM). This protein functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. vIL6, a protein related to IL6 and encoded by the Kaposi sarcoma-associated herpesvirus, can bypass the interleukin 6 receptor (IL6R) and directly activate this protein. Knockout studies in mice suggested a critical role of the gene encoding this protein in regulating myocyte apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq]
Other Designations	CD130 antigen IL6ST nirs variant 3 OTTHUMP00000122545 gp130 of the rheumatoid arthritis antigenic peptide-bearing soluble form gp130 transducer chain interleukin 6 signal transducer interleukin receptor beta chain membrane glycoprotein gp130 oncostatin M

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Arthritis](#)
- [Atherosclerosis](#)

- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chronic Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Hyperandrogenism](#)
- [Hypertension](#)
- [Lymphoproliferative Disorders](#)
- [Metabolic Syndrome X](#)
- [Multiple Myeloma](#)
- [Myocardial Infarction](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Ovarian Neoplasms](#)
- [Periodontitis](#)
- [Thyroid Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)