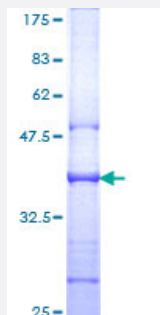


IL6ST (Human) Recombinant Protein (Q01)

Catalog # H00003572-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human IL6ST partial ORF (NP_002175, 23 a.a. - 122 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ELLDPGCGYSPESPVVQLHSNFTAVCVLKEKCMDYFHVNANYVWKTNHFTIPKEQYTIINRTASSVT FTDIASLNIQLTCNILTFGQLEQNVYGITIIS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (68); Rat (73)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — IL6ST

Entrez GeneID [3572](#)

GeneBank Accession# [NM_002184](#)

Protein Accession# [NP_002175](#)

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](#)