Recombinant Human IL6ST protein, His-tagged

Cat. No. IL6ST-787H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL6ST aa. (Thr392~Leu566 (Accession # P40189)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr392~Leu566
Description	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 suggest that this gene plays a critical role in regulating myocyte apoptosis. Alternatively spliced transcript variants have been described. A related pseudogene has been identified on chromosome 17.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.3kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)

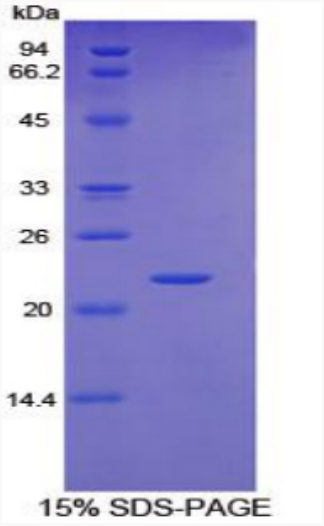
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95%
Characteristic	The isoelectric point is 5.9.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

Gene Name	IL6ST interleukin 6 signal transducer [Homo sapiens (human)]
Official Symbol	IL6ST
Synonyms	IL6ST; interleukin 6 signal transducer; CD130; GP130; CDW130; IL-6RB; interleukin-6 receptor subunit beta; CD130 antigen; IL-6 receptor subunit beta; IL-6R subunit beta; gp130 of the rheumatoid arthritis antigenic peptide-bearing soluble form; gp130, oncostatin M receptor; interleukin receptor beta chain; membrane glycoprotein 130; membrane glycoprotein gp130; oncostatin-M receptor subunit alpha
Gene ID	3572

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mRNA Refseq	NM_001190981.1
Protein Refseq	NP_001177910.1
UniProt ID	P40189
SDS-PAGE	

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