

## Active Recombinant Human IL6ST protein, His&hFc-tagged

Cat. No. IL6ST-1380H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human IL6ST protein(Met 1-Ile 618)(NP_002175.2) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-618 aa
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Bio-activity</b>	1. Measured by its ability to bind human IL11Ra in a functional ELISA. 2. Measured by its ability to inhibit the IL6 R $\alpha$ enhancement of IL6 activity on M1 mouse myeloid leukemia cells (Saito, T. et al. 1991, J. Immunol. 147:168.). The ED50 for this effect is typically 0.05-0.15 $\mu$ g/ml in the presence of 50 ng/ml recombinant human IL6sR and 100 ng/ml recombinant human IL6.
<b>Molecular Mass</b>	The recombinant human IL6ST/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 844 amino acids and has a predicted molecular mass of 96 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh IL6ST/Fc monomer is approximately 125-140 kDa due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per

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	µg of the protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>protein Refseq-Weblink</b>	<a href="http://www.ncbi.nlm.nih.gov/protein/NP_001177910.1">http://www.ncbi.nlm.nih.gov/protein/NP_001177910.1</a>
<b>Unit ID</b>	P40189
<b>Unit ID-Weblink</b>	<a href="http://www.uniprot.org/uniprot/P40189">http://www.uniprot.org/uniprot/P40189</a>

## GENE INFORMATION

<b>Gene Name</b>	IL6ST interleukin 6 signal transducer (gp130, oncostatin M receptor) [ Homo sapiens ]
<b>Official Symbol</b>	IL6ST
<b>Synonyms</b>	IL6ST; interleukin 6 signal transducer (gp130, oncostatin M receptor); interleukin-6 receptor subunit beta; CD130; GP130; CD130 antigen; IL-6R subunit beta; membrane glycoprotein 130; IL-6 receptor subunit beta; membrane glycoprotein gp130; interleukin receptor beta chain; oncostatin-M receptor subunit alpha; gp130 of the rheumatoid arthritis antigenic peptide-bearing soluble form; CDW130; IL-6RB; DKFZp564F053;

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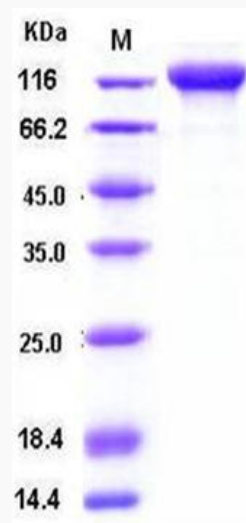
**Gene ID** 3572

**mRNA Refseq** NM\_001190981

**protein Refseq** NP\_001177910

**MIM** 600694

**SDS-PAGE**



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