

## PRODUCT INFORMATION

<b>Target</b>	IL6ST
<b>Synonyms</b>	GP130, CD130, IL6R $\beta$ , IL6 receptor subunit beta, IL6 signal transducer
<b>Description</b>	Recombinant human IL6ST Protein with C-terminal 10 $\times$ His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P40189
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-10 $\times$ His tag
<b>Molecular Characterization</b>	IL6ST(Glu23-Glu619) 10 $\times$ His tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 69.2 kDa after removal of the signal peptide.
<b>Purity</b>	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage&amp;Shipping</b>	Store at -20 $^{\circ}$ C to -80 $^{\circ}$ C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 $^{\circ}$ C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 $\mu$ m) prior to use.
<b>Background</b>	IL6ST (GP130 / Interleukin-6 signal transducer) is a transmembrane receptor subunit that mediates signaling of the IL-6 family cytokines, including IL-6, IL-11, LIF, and OSM. It forms heterodimeric or multimeric receptor complexes, activating JAK/STAT, MAPK, and PI3K/AKT pathways. IL6ST is widely expressed in immune cells, liver, heart, and other tissues, regulating inflammation, hematopoiesis, immune responses, and tissue regeneration. Dysregulation is associated with autoimmune diseases, chronic inflammation, and cancer, making it an important therapeutic target in cytokine-mediated disorders.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated





Figure 1. Human IL6ST Protein, His Tag on SDS-PAGE under reducing condition.

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