

PRODUCT INFORMATION

Target	IL6ST
Synonyms	GP130, CD130, IL6R β , IL6 receptor subunit beta, IL6 signal transducer
Description	Recombinant human IL6ST Protein with C-terminal 10 \times His tag
Delivery	In Stock
Uniprot ID	P40189
Expression Host	HEK293
Tag	C-10 \times His tag
Molecular Characterization	IL6ST(Glu23-Glu619) 10 \times His tag
Molecular Weight	The protein has a predicted molecular mass of 69.2 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	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.
Storage&Shipping	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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μ m) prior to use.
Background	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.
Usage	Research use only
Conjugate	Unconjugated





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

