

Active Recombinant Human IL6 protein, C-His-tagged

Cat. No. IL6-4285H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IL6 protein(NP_000591.1)(Val30-Met212) is expressed in HEK293, fused with a 6xHis tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	30-212 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized Human IL6R at 1 µg/mL (100 µL/well) can bind Human IL-6 with a linear range of 2-15 ng/mL. 2. Measured in a cell proliferation assay using TF-1 Human erythroleukemic cells. The ED50 for this effect is 0.10-0.40 ng/mL. The specific activity of Recombinant Human IL-6 is $>1.2 \times 10^8$ IU/mg, which is calibrated against the human IL-6 WHO International Standard (NIBSC code: 21/308).
Molecular Mass	21.65 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.

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Storage Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Reconstitution Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name IL6 interleukin 6 (interferon, beta 2) [Homo sapiens]

Official Symbol IL6

Synonyms IL6; interleukin 6 (interferon, beta 2); IFNB2; interleukin-6; BSF2; HGF; HSF; IL 6; CDF; BSF-2; IFN-beta-2; interferon beta-2; interleukin BSF-2; hybridoma growth factor; CTL differentiation factor; B-cell stimulatory factor 2; B-cell differentiation factor; IL-6;

Gene ID 3569

mRNA Refseq NM_000600

Protein Refseq NP_000591

MIM 147620

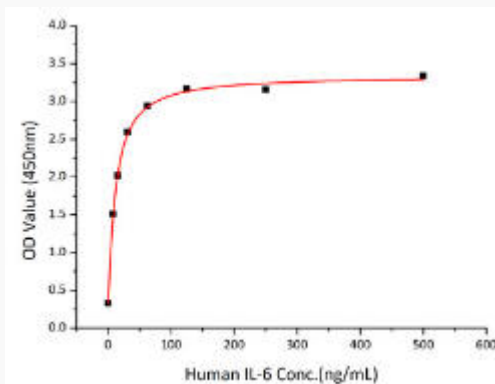
UniProt ID P05231

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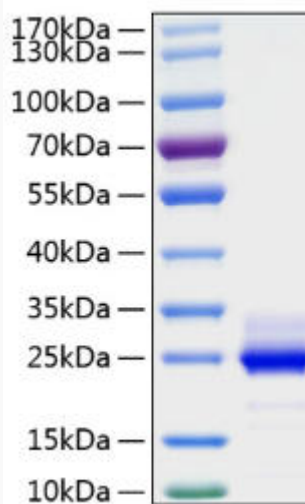
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Activity



SDS-PAGE



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