


## Human IL-6 Protein, His tag (Animal-Free)

Cat #: PRP1087

Size: 5 µg/20 µg/100 µg/1 mg

### Product Information

	<b>Product Name:</b> Human IL-6 Protein, His tag (Animal-Free)		
<b>REF</b>	<b>Catalog Number:</b> PRP1087	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> > 98 % as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> E.coli
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** Interleukin-6 (IL-6) is a pleiotropic, 22-28 kDa cytokine which plays fundamental role in the acute phase response, inflammation, bone metabolism, lymphocyte differentiation and cancer progression. Deregulation of IL-6 production was also found in several diseases, including rheumatoid arthritis, Alzheimer's disease, autoimmune deficiency disease and different types of cancer.

**Sequence:** Amino acid sequence derived from Human IL-6 (Val30-Met212) (P05231) was expressed with 6×His tag at the C-terminus.

**Protein length:** The recombinant Human IL-6 Protein consists of 183 amino acids and predicts a molecular mass of 21.8 kDa.

**Biological Activity:** Measured by its ability to induce proliferation in TF-1 cells. The ED<sub>50</sub> for this effect is <0.5 ng/mL. Measured by its ability to induce proliferation in MCF-7 cells. The ED<sub>50</sub> for this effect is <4.4 ng/mL.

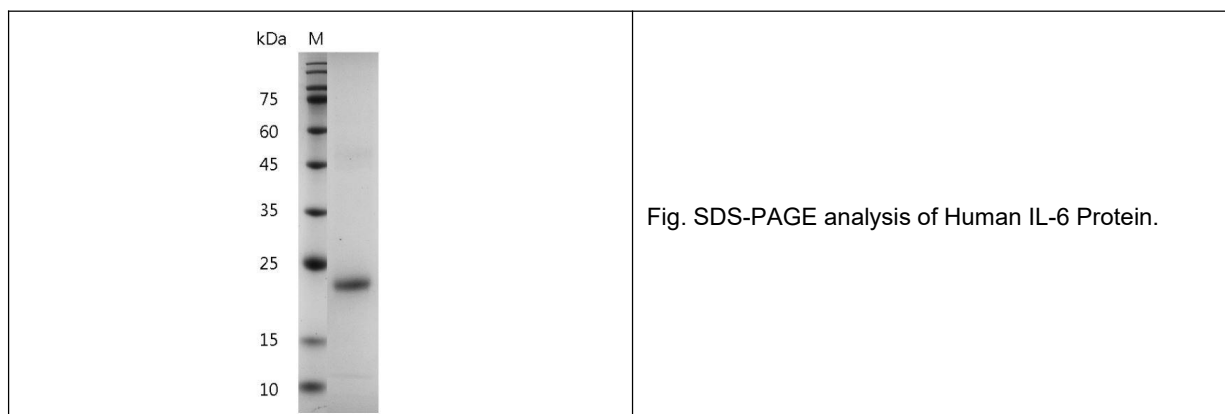
**Endotoxin:** <0.1 EU per µg of the protein as determined by the LAL method.

**Formulation:** Lyophilized from sterile PBS, pH 8.0.

**Storage Instructions:** Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (5% HSA , 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully

dissolve. Please avoid vortex vigorously.



**Note:** The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.