


## Human IL-3 protein, His tag (Animal-Free)

Cat #: PRP2015

Size: 5 µg/20 µg/100 µg/1 mg

### Product Information

	<b>Product Name:</b> Human IL-3 protein, His tag (Animal-Free)		
<b>REF</b>	<b>Catalog Number:</b> PRP2015	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> >95% as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> HEK 293 Cells
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** Human interleukin-3 (hIL-3) is a therapeutically important cytokine involved in the maturation and differentiation of various cells of the immune system. IL-3 predominantly produced by activated T lymphocytes, stimulates both endothelial cell proliferation and functional activation. Unlike other cytokines, IL-3 is a cytokine with a multilineage potential and broad spectrum of target cells and it plays a vital role in hematopoiesis. Due to its common receptor subunit, the action of IL-3 shows functional redundancy with other cytokines such as the granulocyte-macrophage colony-stimulating factor and IL-5. IL-3 has been successfully used in ameliorating radiation-induced bone marrow aplasia and similar conditions.

**Sequence:** Amino acid sequence derived from human IL3 protein (NP\_000579.2, Met1-Phe152) was expressed with a polyhistidine tag at the C-terminus.

**Protein length:** The recombinant human IL3 protein consists of 140 amino acids and predicts a molecular mass of 16 kD. The apparent molecular mass of the human IL3 is approximately 17-35 kDa in SDS-PAGE under reducing conditions due to glycosylation.

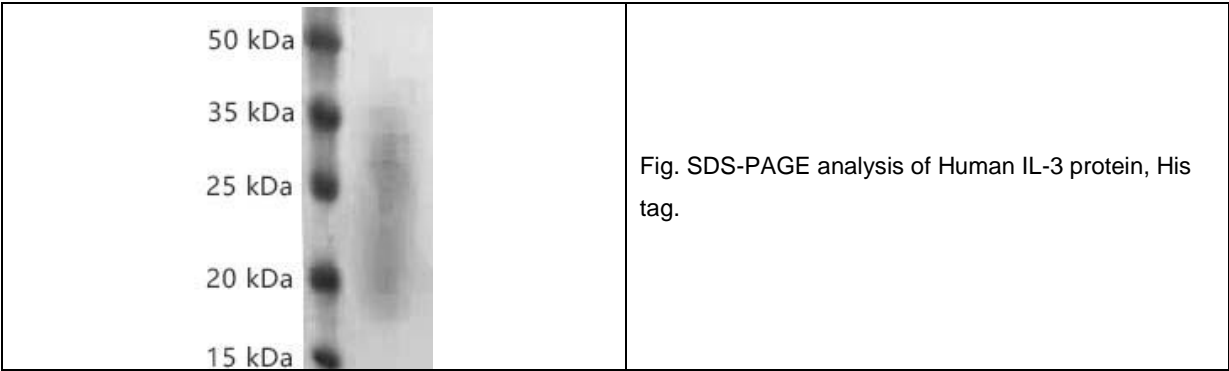
**Biological Activity:** Testing in progress.

**Endotoxin:** < 1 EU per µg of the protein as determined by the LAL method.

**Formulation:** Lyophilized from sterile PBS, pH 7.4.

**Storage Instructions:** Lyophilized human IL3 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 (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized human IL-3 protein in the buffer which we provide not less than 100 µg/mL, which can then be further diluted to other aqueous solutions.



**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.