


Human IL-3 Protein, His tag (Animal-Free)

Cat #: PRP1095

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human IL-3 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1095	LOT	Lot Number: Refer to product label
	Purity: > 98 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: Interleukin-3 (IL-3) is a pleiotropic cytokine which can stimulate the survival, differentiation and proliferation of committed progenitor cells, including megakaryocyte, granulocyte-macrophage, erythroid, eosinophil, basophil and mast cell lineages. IL-3 also enhances phagocytosis and antibody-mediated cellular cytotoxicity. IL-3 binds to IL-3R (IL-3 receptor), which is composed of a unique α subunit (IL-3R α) and a common β -subunit (β c).

Sequence: Amino acid sequence derived from Human IL-3 (Ala20-Phe152) (P08700) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Human IL-3 Protein consists of 133 amino acids and predicts a molecular mass of 16 kDa.

Biological Activity: Measured by its ability to induce TF-1 cells proliferation. The ED₅₀ for this effect is <0.15 ng/mL.

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

Formulation: Lyophilized from sterile PBS, pH8.0.

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.

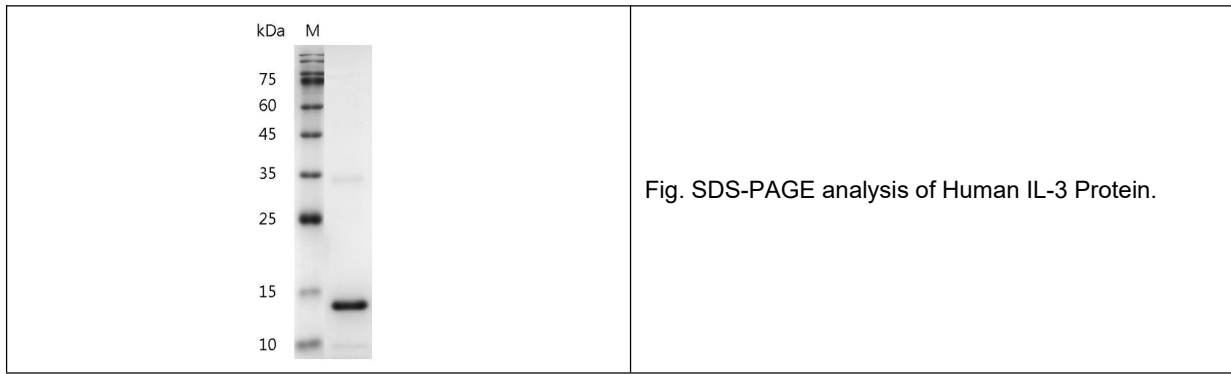


Fig. SDS-PAGE analysis of Human IL-3 Protein.

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