


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

Cat #: PRP1162

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse IL-3 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1162	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 Mouse IL-3 (Asp33-Cys166) (P01586) was expressed with 6×His tag at the C-terminus and a Met at the N-terminus.

Protein length: The recombinant Mouse IL-3 Protein consists of 134 amino acids and predicts a molecular mass of 16.04 kDa.

Biological Activity: Measured by its ability to induce NFS-60 cells proliferation. The ED₅₀ for this effect is <85 pg/mL.

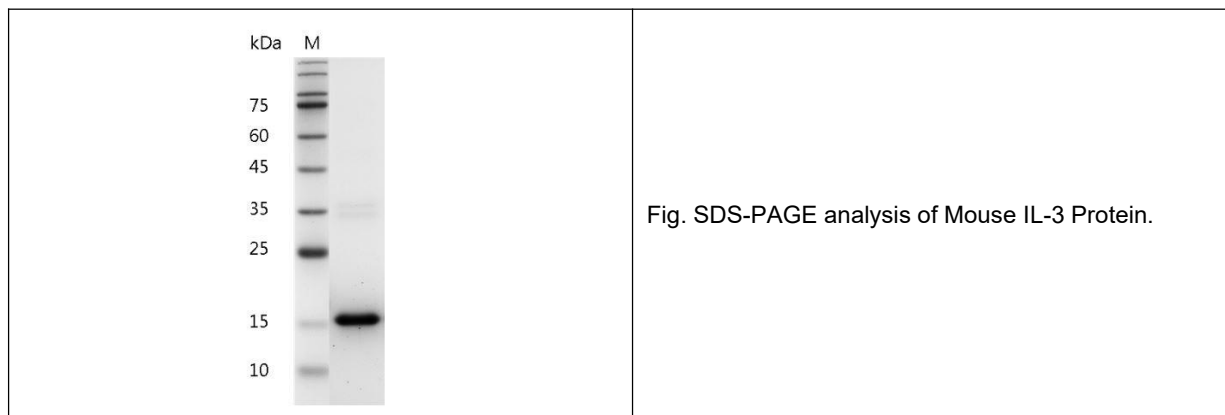
Endotoxin: <0.1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 7.4.

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.