


Human IL-4 protein

Cat #: PRP2017

Size: 10 µg /50 µg/100 µg /1 mg

Product Information

	Product Name: Human IL-4 protein		
	Reconstitution: Use the buffer we provided to reconstitute the lyophilized Human IL-4 protein		
REF	Catalog Number: PRP2017	LOT	Lot Number: Refer to product label
	Purity: ≥95 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: HEK293 Cells
	Shipping: The product is shipped at ambient temperature.		

Background: Interleukin-4 (IL-4), an anti-inflammatory cytokine, plays significant role in pathogenesis of various diseases such as asthma, tumors, and HIV infections. IL-4 is firstly identified as a T cell-derived growth factor for B cells. IL-4 can mediate important pro-inflammatory functions in asthma, including T helper cell type 2 lymphocyte differentiation, induction of IgE production, up-regulation of IgE receptors, expression of vascular cell-adhesion molecule 1, promotion of eosinophil transmigration into the lungs, inhibition of T-lymphocyte apoptosis, and mucus hypersecretion. The role of IL-4 in the pathogenesis of asthma is supported by identification of polymorphisms linked to asthma in the IL-4 gene promoter and proteins involved in IL-4 signaling.

Sequence: Amino acid sequence derived from Human IL-4 protein isoform (P05112, Met 1-Ser153) was expressed.

Protein length: The recombinant Human IL-4 protein consists of 133 amino acids and has a predicted molecular mass of 15.4 kDa. The apparent molecular mass of the Human IL-4 protein is approximately 18 kDa in SDS-PAGE under reducing conditions.

Biological Activity: Testing in progress.

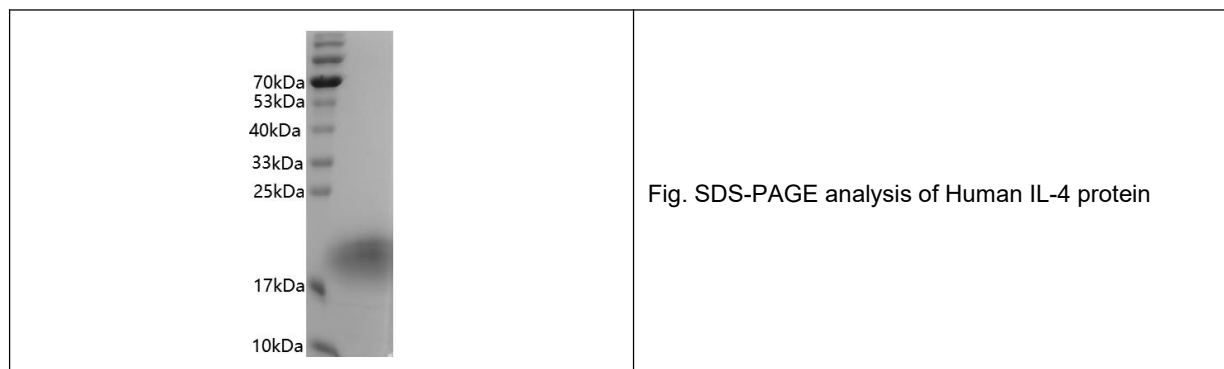
Endotoxin: < 1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 7.4.

Storage Instructions: Lyophilized Human IL-4 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-4 protein using the buffer we provided 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.