


Human IL-13 protein

Cat #: PRP1051

Size: 5µg/20µg/100µg/1mg

Product Information

	Product Name: Human IL-13 protein		
REF	Catalog Number: PRP1051	LOT	Lot Number: Refer to product label
	Purity: > 95 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: Interleukin-13 is also called IL-13. It is a protein encoded by the IL-13 gene in humans. Interleukin-13 is an immunomodulatory cytokine mainly produced by activated Th2 cells. It participates in several stages of B cell maturation and differentiation. It upregulates the expression of CD23 and MHC II, and promotes the transformation of IgE isoforms in B cells. This cytokine down-regulates the activity of macrophages, thus inhibiting the production of proinflammatory cytokines and chemokines.

Sequence: Amino acid sequence derived from Human IL-13 (Gly21-Asn132)(P35225) was expressed.

Protein length: The secreted Human IL-13 consists of 112 amino acids and has a predicted molecular mass of 13.3 kDa.

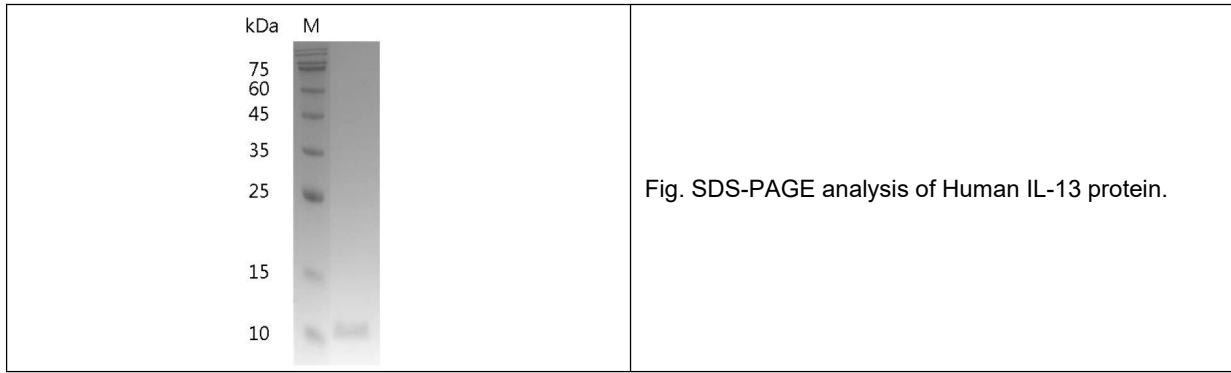
Biological Activity: Measure by its ability to induce TF-1 cells proliferation. The ED₅₀ for this effect is <0.8 ng/mL. The specific activity of recombinant Human IL-13 is approximately >1 x10⁶ IU/ mg.

Endotoxin: < 0.01 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 Human IL-13 protein to a concentration of 0.1-1 mg/mL in sterile ddH₂O, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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