


Human IL-9 Protein, His tag (Animal-Free)

Cat #: PRP1931

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human IL-9 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1931	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 9(IL-9) is a cytokine (cell signaling molecule) belonging to the group of interleukins. IL-9 is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL-9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. Genetic studies on a mouse model of asthma demonstrated that this cytokine is a determining factor in the pathogenesis of bronchial hyperresponsiveness.

Sequence: Amino acid sequence derived from Human IL-9 (Gln 19-Ile 144) (P15248) was expressed with 6×His tag at the N-terminus.

Protein length: The recombinant Human IL-9 consists of 126 amino acids and predicts a molecular mass of 14.93 kDa.

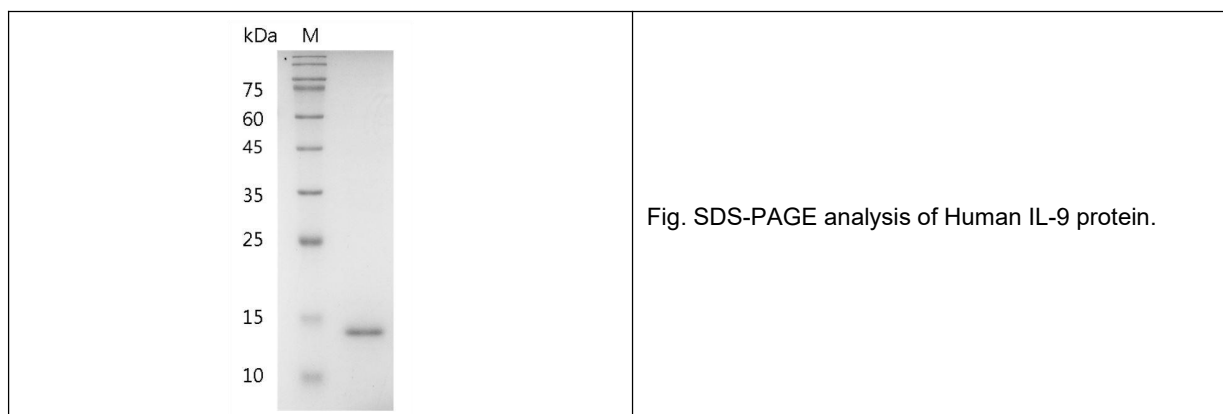
Biological Activity: Measure by its ability to induce proliferation in MO7e cells. The ED₅₀ for this effect is <0.25 ng/mL.

Endotoxin: <0.01 EU per 1 µg of the protein by the LAL method.

Formulation: Lyophilized from 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 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.



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