

Human IL-17F Protein, His tag (Animal-Free)

Cat #: PRP1131

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human IL-17F Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1131	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-17 is a potent pro-inflammatory cytokine produced by activated memory T cells. There are at least six members of the IL-17 family in humans and in mice. Today, IL-17 represents a family of structurally related cytokines that share a highly conserved C-terminal region but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family, IL-17A through IL-17F, are secreted as homodimers. IL-17F also regulates cartilage matrix turnover and inhibits angiogenesis.

Sequence: Amino acid sequence derived from Human IL-17F (Arg31-Gln163) (Q96PD4) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Human IL-17F consists of 133 amino acids and predicts a molecular mass of 15.84 kDa.

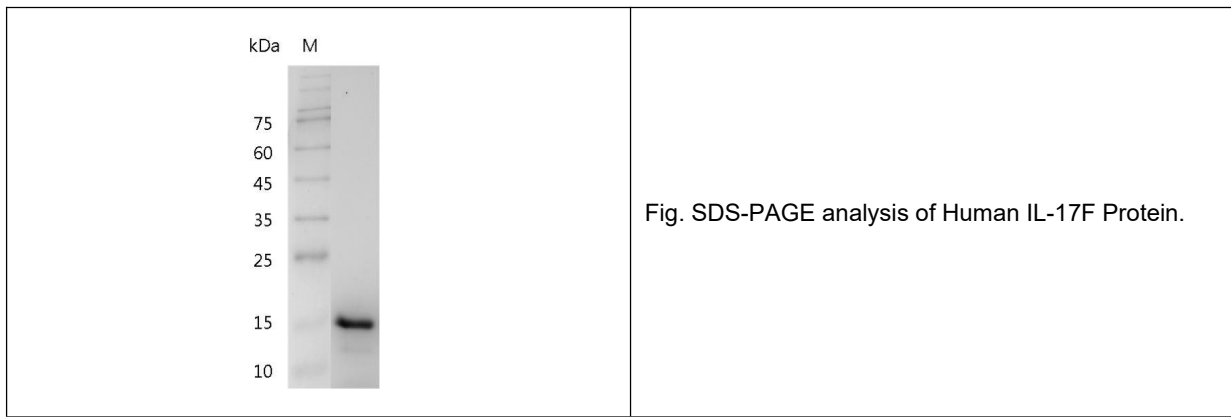
Biological Activity: Measured by its ability to induce IL-6 secretion in 3T3 cells. The ED₅₀ for this effect is <20 ng/mL.

Endotoxin: <0.1 EU per 1 µg of the protein by the LAL method.

Formulation: Lyophilized from 20 mM sodium acetate, pH 4.0.

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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