

Human IL-28B Protein, His tag (Animal-Free)

Cat #: PRP1153

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human IL-28B Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1153	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-28B (IL-28B, now known as Interferon Lambda 3, IFN-λ3) is a 25.6 kDa member of type III IFN family with 176 amino acid residues. IL-28B is expressed by epithelial tissues. Cytokine with antiviral, antitumor and immunomodulatory activities. Able to activate JAK/STAT signaling pathway via binding its receptor IFNLR1 in epithelial cells.

Sequence: Amino acid sequence derived from Human IL-28B (Val22-Val196) (Q8IZI9) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Human IL-28B consists of 175 amino acids and predicts a molecular mass of 25.6kDa.

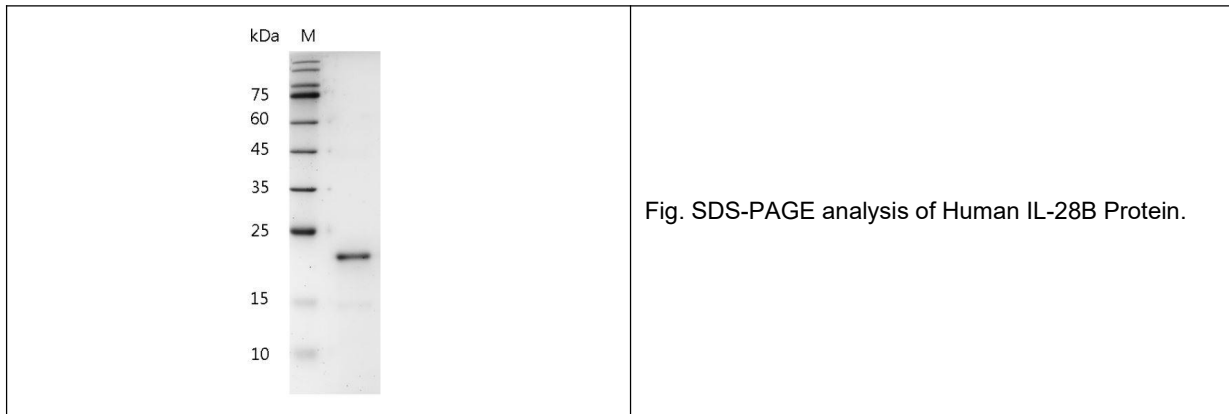
Biological Activity: Measured by its ability to protect HepG2 cells infected with encephalomyocarditis (EMC) virus. The ED₅₀ for this effect is <5 ng/mL.

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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