


Human IL-22 Protein, His tag (Animal-Free)

Cat #: PRP1901

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human IL-22 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1901	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 22(IL-22) is an α -helical cytokine, predicts a molecular mass of 16.9 kDa. It is produced by T-helper (Th)-17 cells, $\gamma\delta$ T cells, NKT cells and newly described innate lymphoid cells (ILCs). Effects involve stimulation of cell survival, proliferation and synthesis of antimicrobials including S120, Reg3 β , Reg3 γ and defensins.

Sequence: Amino acid sequence derived from Human IL-22 (Ala 33-Ile 179) (Q9GZX6) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Human IL-22 Protein consists of 147 amino acids and predicts a molecular mass of 16.9 kDa.

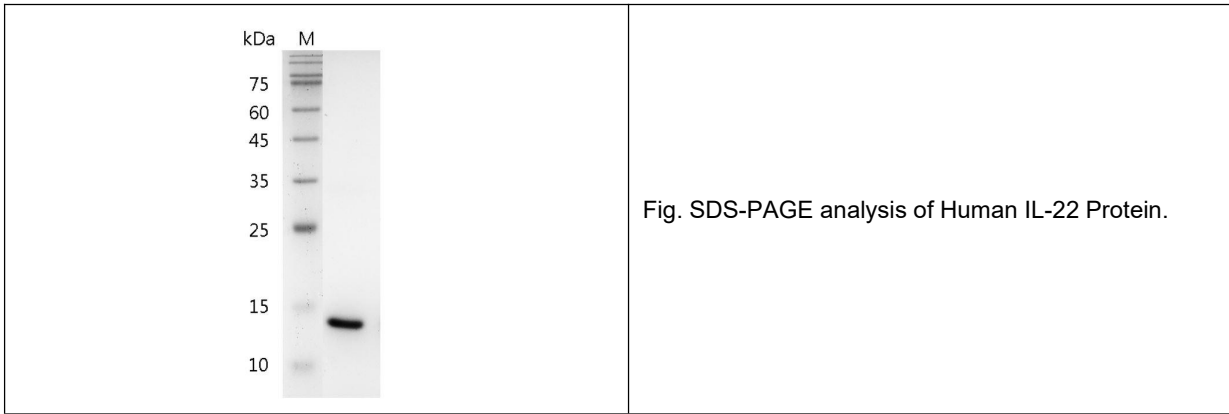
Biological Activity: Measured by its ability to induce proliferation in A549 cells. The ED₅₀ for this effect is <0.5 ng/mL.

Endotoxin: <0.1 EU per µg of the protein 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 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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