


Human IL-36 γ protein

Cat #: PRP1029

Size: 10 μ g/50 μ g/100 μ g /1 mg

Product Information

	Product Name: Human IL-36 γ protein		
REF	Catalog Number: PRP1029	LOT	Lot Number: Refer to product label
	Purity: > 98% as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: <i>E.Coli</i>
	Shipping: The product is shipped at ambient temperature.		

Background: The IL-1 family is comprised of 11 structurally related ligands, including recently re-named IL-36 α (IL-1F6), β (IL-1F8) and γ (IL-1F9). IL-36 γ is highly expressed in psoriatic plaques and in tissues containing epithelial cells. IL-36 γ signals through the IL-1Rrp2 (IL-1R6) receptor, which is primarily expressed on certain dendritic cells. The interaction of the IL-1Rrp2 receptor with IL-36 ligands induces dendritic cell maturation and activation. IL-36 γ also functions as an agonist of NF- κ B, and can stimulate the inflammatory response in bronchial epithelial cells.

Sequence: Amino acid sequence derived from Human IL-36 γ (Q9NZH8)(Ser18-Asp169) was expressed.

Protein length: The recombinant Human IL-36 γ consists of 152 amino acids and has a predicted molecular mass of 16.7 kDa.

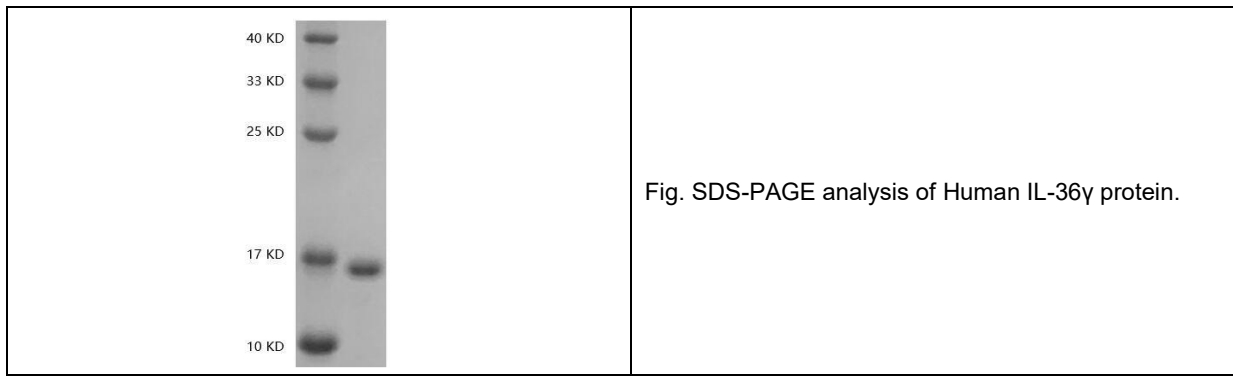
Biological Activity: Test in progress.

Endotoxin: <1.0 EU per μ g of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20 mM tris 50 mM NaCl, pH 6.5.

Storage Instructions: Lyophilized Human IL-36 γ 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 (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human IL-36 γ protein using the buffer we provided not less than 100 μ g/mL, which can then be further diluted to other aqueous solutions.



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