

Mouse IL-36 γ Protein, His tag (Animal-Free)

Cat #: PRP1116

Size: 5 μ g/20 μ g/100 μ g/1 mg

Product Information

	Product Name: Mouse IL-36 γ Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1116	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 36 gamma (IL-36 γ) is a member of the IL-1 family and is mainly expressed in keratinocytes, bronchial epithelial cells, macrophages, and monocyte. This cytokine responds to multiple pathogen-associated molecular patterns (PAMPs) and participates in the inflammatory response. In addition, it also induces the production of pro-inflammatory cytokines like IL-12, IL-1 β , IL-6, TNF- α , and IL-23.

Sequence: Amino acid sequence derived from Mouse IL-36 γ (Gly13-Ser164) (Q8R460) was expressed with 6 $\times$ His tag at the C-terminus.

Protein length: The recombinant mouse IL-36 γ consists of 152 amino acids and predicts a molecular mass of 18.27 kDa.

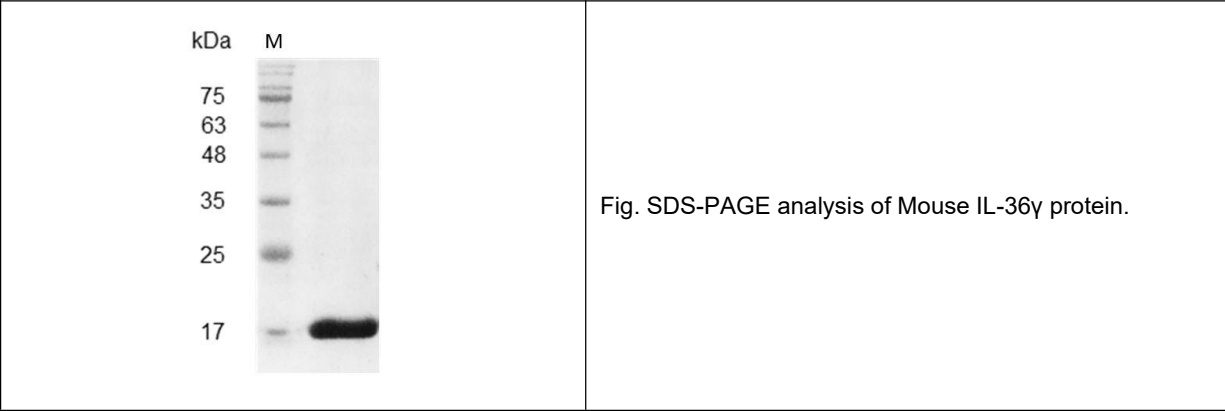
Biological Activity: Measured by its ability to induce IL-6 secretion in 3T3 cells. The ED₅₀ for this effect is <15 ng/mL.

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

Formulation: Lyophilized from PBS, pH 7.4.

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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