


Mouse IFN alpha 1a Protein, His tag (Animal-Free)

Cat #: PRP1161

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse IFN alpha 1a Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1161	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: Interferon Alpha (IFN alpha) is a leukocyte interferon, which is a variant of Interferon-alpha. IFN-alpha is a 18.4 kDa protein containing 166 amino acid residues. It could bind the interferon receptors that activates the signal transduction of immune responses through the Jak/STAT pathway in leukocytes and lymphoblastoid cells.

Sequence: Amino acid sequence derived from Mouse IFN alpha 1a (Cys24-Lys189) (P01572) was expressed with 6×His tag at the N-terminus.

Protein length: The recombinant Mouse IFN alpha 1a Protein consists of 166 amino acids and predicts a molecular mass of 19.93 kDa.

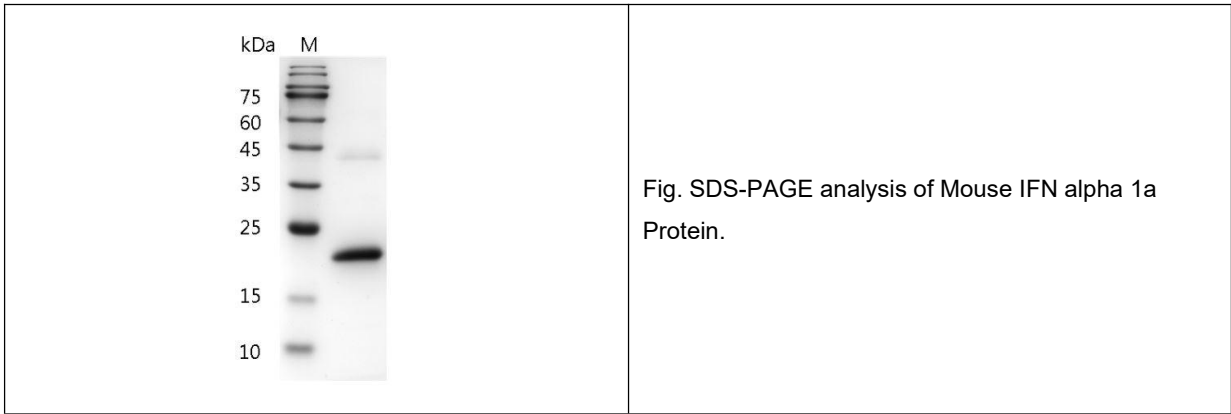
Biological Activity: Measured by its ability to protect L929 cells infected with encephalomyocarditis (EMC) virus. The ED₅₀ for this effect is <10 pg/mL

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

Formulation: Lyophilized from sterile 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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