


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

Cat #: PRP1169

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse IFN beta 1a Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1169	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 Beta 1a (IFN beta 1a) is a leukocyte interferon, which is a variant of Interferon beta. It could bind the interferon receptors that activates the signal transduction of immune responses through the Jak/STAT pathway in leukocytes and lymphoblastoid cells. IFN beta 1a is used as a treatment for MS because it reduces relapse rates; it is not suitable for treating patients with progressive, non-relapsing forms of MS.

Sequence: Amino acid sequence derived from Mouse IFN beta 1a (Met 22-Asn 182) (P01575) was expressed and a Met with 6×His tag at the C-terminus.

Protein length: The recombinant Mouse IFN beta 1a Protein consists of 161 amino acids and predicts a molecular mass of 20.68 kDa.

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

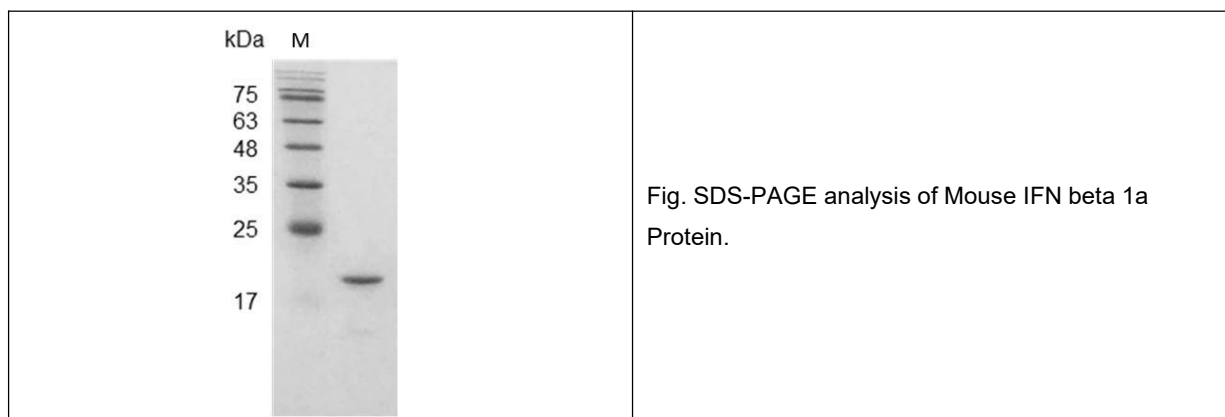
Endotoxin: <0.1 EU per µg of the protein by the LAL method.

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.



Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.