


Mouse IFN- γ Protein, His tag (Animal-Free)

Cat #: PRP1138

Size: 20 μ g/100 μ g/200 μ g/1mg

Product Information

	Product Name: Mouse IFN- γ Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1138	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: IFN- γ is an acid-labile interferon produced by CD4 and CD8 T lymphocytes, as well as activated NK cells. IFN- γ receptors are present in most immune cells, which respond to IFN- γ signaling by increasing the surface expression of class I MHC proteins. This promotes the presentation of antigen to T-helper (CD4+) cells. IFN- γ signaling in antigen-presenting cells and antigen-recognizing B and T lymphocytes, regulates the antigen-specific phases of the immune response.

Sequence: Amino acid sequence derived from Mouse IFN- γ protein (His23-Cys155)(P01580) was expressed with 6 \times His tag at the C-terminus.

Protein length: The Mouse IFN- γ protein consists of 133 amino acids and has a predicted molecular mass of 16.5 kDa.

Biological Activity: Measure by its ability to anti-viral assay in L-929 cells infected with encephalomyocarditis (EMC) virus. The ED₅₀ for this effect is <0.5 ng/mL. The specific activity of recombinant mouse IFN gamma is approximately >2 \times 10⁶ IU/mg.

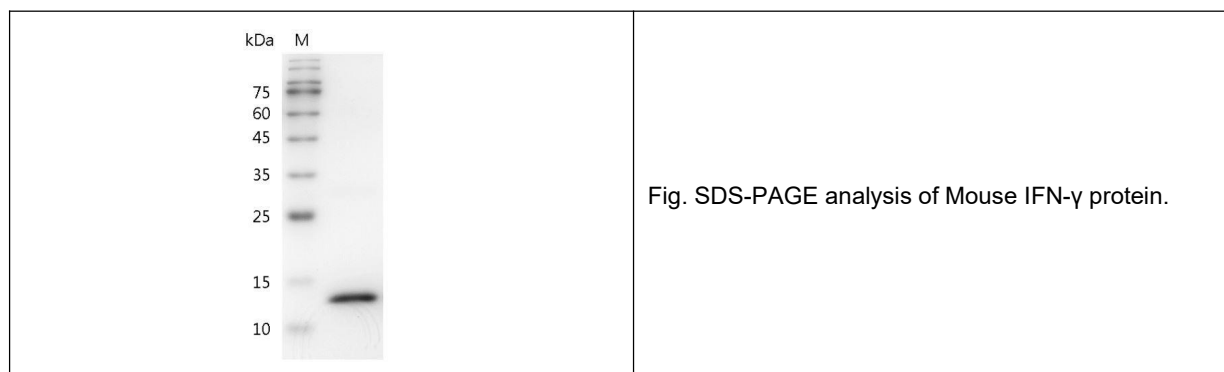
Endotoxin: < 0.01 EU per μ g of the protein as determined by the LAL method.

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 protein to a concentration of 0.1-1 mg/mL in sterile ddH₂O, and keep at room temperature for at least 20 min to fully dissolve. Please

avoid vortex vigorously.



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