


Human IFN- α 2 protein

Cat #: PRP100327

Size: 100 μ g/1mg

Product Information

	Product Name: Human IFN- α 2 protein		
REF	Catalog Number: PRP100327	LOT	Lot Number: Refer to product label
	Purity: > 95 % as determined by SDS-PAGE.		
	Storage: Store at -20°C		Preparation method: Yeast
	Shipping: The product is shipped at ambient temperature.		

Background: Human interferon alpha-2 (IFN α 2) is a cytokine belonging to the family of type I IFNs. IFN α 2 is a protein secreted by cells infected by a virus and acting on other cells to inhibit viral infection. The first description of IFNs as a cellular agent interfering with viral replication was made by Alick Isaacs and Jean Lindenmann in 1957. The history of this finding was recently reviewed. There are 3 types of IFNs: Interferon type I, Interferon type II and Interferon type III. The type II IFN, also called IFN γ , is produced by specific cells of the immune system. Unlike type I and type III IFNs, IFN γ has only a modest role in directly restricting viral infections. Type I and type III IFNs act similarly. However, the action of type III IFNs, also known as IFN λ , is limited to epithelial cells while type I IFNs act on all body's cells.

Sequence: Amino acid sequence derived from human IFNA2 (NP_000596.2) (Cys24-Glu188) was expressed.

Protein length: The recombinant human IFNA2 consists 165 amino acids and predicts a molecular mass of 19.3 kDa.

Formulation: Lyophilized from sterile PBS, pH 7.4.

Storage Instructions: Lyophilized Human IFN- α 2 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 IFN- α 2 protein in sterile ddH₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

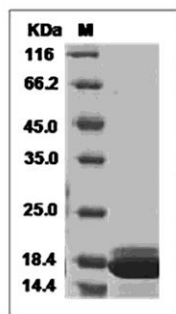


Fig. SDS-PAGE analysis of Human IFN- α 2 protein.

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