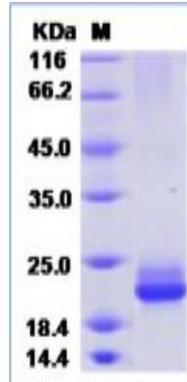


IFNA10

Recombinant Human Interferon alpha-10 (His Tag)

Catalog No.	CRH461A-His2 CRH461B-His2	Quantity:	20 µg 100 µg
Alternate Names:	Interferon alpha-10, IFN-alpha-10, Interferon alpha-6L, Interferon alpha-C, LeIF C		
Description:	Interferon alpha-10 belongs to the alpha/beta interferon family. Interferons are proteins made and released by host cells in response to the presence of pathogens such as viruses, bacteria, parasites or tumor cells. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase. They also allow for communication between cells to trigger the protective defenses of the immune system that eradicate pathogens or tumors. Interferons also activate immune cells, such as natural killer cells and macrophages. They increase recognition of infection or tumor cells by up-regulating antigen presentation to T lymphocytes. They also increase the ability of uninfected host cells to resist new infection by virus. Certain symptoms, such as aching muscles and fever, are related to the production of IFNs during infection. Produced by macrophages, IFN-alpha-10 has antiviral activities.		
UniProt ID:	P01566		
Accession Number:	NP_002162.1		
Protein Construction:	A DNA sequence encoding the human IFNA10 (Cys24-Asp189) was expressed with a polyhistidine tag at the C-terminus.		
Source:	Yeast		
Formulation:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Molecular Weight:	The recombinant human IFNA10 consists of 176 amino acids and predicts a molecular mass of 20.8 kDa.		
Purity:	> 95 % as determined by SDS-PAGE		
Biological Activity:	Testing in progress		
Predicted N-terminal:	Cys 24		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

SDS-PAGE



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