

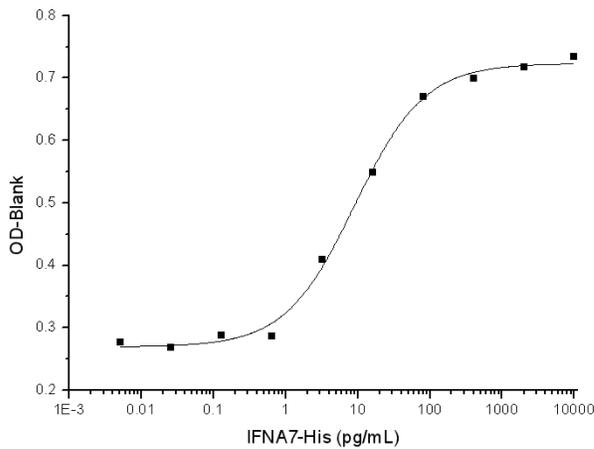
IFNA7

Recombinant Human Interferon alpha-7 (His Tag)

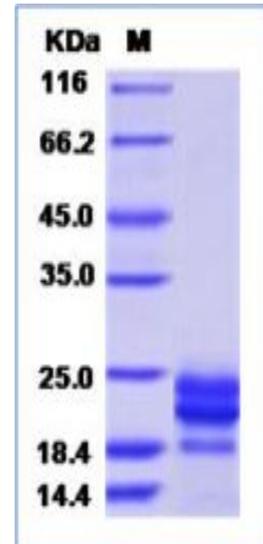
Catalog No.	CRH456A-His CRH456B-His	Quantity:	20 µg 100 µg
Alternate Names:	Interferon alpha-7, IFN-alpha-7, Interferon alpha-J, LeIF J, Interferon alpha-J1, IFN-alpha-J1		
Description:	Interferon alpha-7(IFNA7) is a member of the interferon family. Interferons belong to the group of the regulatory glycoproteins, of low molecular mass. They are the products of infected cell-genome, but not virus, as a consequence of the cause answer by different inductors. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase. They allow communication between cells to trigger the protective defenses of the immune system that eradicate pathogens or tumors. IFNs have other functions: they 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; and they increase the ability of uninfected host cells to resist new infection by virus. Certain host symptoms, such as aching muscles and fever, are related to the production of IFNs during infection. Human IFN are divided on the sequence of amino-acids into three groups: Alpha, Beta and Gamma interferons.		
UniProt ID:	P01567		
Accession Number:	NP_066401.2		
Protein Construction:	A DNA sequence encoding the human IFNA7 (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 IFNA7 consists of 176 amino acids and predicts a molecular mass of 21 kDa.		
Purity:	> 95 % as determined by SDS-PAGE		
Biological Activity:	Measured in antiviral assays using WISH cells infected with vesicular stomatitis virus. The ED50 for this effect is 3.0-15.0pg/mL.		
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.		



Measured in antiviral assays using WISH cells infected with vesicular stomatitis virus. The ED50 for this effect is 3.0-15.0pg/mL.



SDS-PAGE



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com