

Recombinant Human IFNA10 Protein, His-tagged

Cat. No. IFNA10-430H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFNA10 (NP_002162.1) (Cys24-Asp189) was expressed with a polyhistidine tag at the C-terminus
Species	Human
Source	Yeast
ProteinLength	Cys24-Asp189
Description	Interferon alpha-10 (IFNA10) 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 lymph centigradeytes; 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.
Predicted N Terminal	Cys 24

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Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human IFNA10 consists of 176 amino acids and predicts a molecular mass of 20.8 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -70 centigrade. Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IFNA10 interferon, alpha 10 [Homo sapiens]
Official Symbol	IFNA10
Synonyms	IFNA10; interferon, alpha 10; interferon alpha-10; IFN alphaC; IeIF C; IFN-alpha-10; interferon alpha-C; interferon alpha-6L; IFN-alphaC; MGC119878; MGC119879;
Gene ID	3446
mRNA Refseq	NM_002171
Protein Refseq	NP_002162

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MIM	147577
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UniProt ID	P01566
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