

## Recombinant Human IFNA4 protein(Met1-Asp189), His-tagged

**Cat. No.** IFNA4-175H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IFNA4(NP_066546.1)) (Met 1-Asp 189) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                  |
| <b>Source</b>           | Insect Cells                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1-189 a.a.                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.              |
| <b>Bio-activity</b>     | Measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitis virus(VSV). The ED50 for this effect is typically 2-8 pg/mL.                             |
| <b>Molecular Mass</b>   | The recombinant human IFNα4a consists of 176 amino acids and predicts a molecular mass of 20.7 kDa. It migrates as an approximately 20 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                         |
| <b>Purity</b>           | > 88 % as determined by SDS-PAGE                                                                                                                                                       |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.                                                                                                     |

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Store it under sterile conditions at -20°C to -80°C. 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** IFNA4 interferon, alpha 4 [ Homo sapiens ]

**Official Symbol** IFNA4

**Synonyms** IFNA4; interferon, alpha 4; interferon alpha-4; IFN alpha4a; MGC142200; IFN-alpha-4; interferon alpha-4B; interferon alpha-76; interferon alpha-M1; INFA4; IFN-alpha4a;

**Gene ID** 3441

**mRNA Refseq** NM\_021068

**Protein Refseq** NP\_066546

**MIM** 147564

**UniProt ID** P05014

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