

# Recombinant Human IFNA5 protein(Leu22-Glu189), hFc-tagged

**Cat. No.** IFNA5-30H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human IFN $\alpha$ G (NP_002160.1) (Leu 22-Glu 189) was expressed in HEK293, fused with the Fc region of Human IgG1 at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	22-189 a.a.
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. 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 EC50 for this effect is 0.16-0.8 ng/mL.
<b>Molecular Mass</b>	The recombinant human IFN $\alpha$ G/Fc chimera is a disulfide-linked homodimer. The reduced monomer comprises 405 amino acids with a predicted molecular mass of 46.3 kDa. As a result of glycosylation, rh IFN $\alpha$ G/Fc monomer migrates as an approximately 48-50 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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** IFNA5 interferon, alpha 5 [ Homo sapiens ]

**Official Symbol** IFNA5

**Synonyms** IFNA5; interferon, alpha 5; interferon alpha-5; IFN alphaG; IeIF G; IFN-alpha-5; interferon alpha-G; interferon alpha-61; INFA5; IFN-alphaG;

**Gene ID** 3442

**mRNA Refseq** NM\_002169

**Protein Refseq** NP\_002160

**MIM** 147565

**UniProt ID** P01569

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA