

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

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

SPECIFICATION

Product Overview	Recombinant Human IFN α G (NP_002160.1) (Leu 22-Glu 189) was expressed in HEK293, fused with the Fc region of Human IgG1 at the N-terminus.
Species	Human
Source	HEK293
ProteinLength	22-189 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	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.
Molecular Mass	The recombinant human IFN α 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 α G/Fc monomer migrates as an approximately 48-50 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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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; leIF 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

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