

## Active Recombinant Human IFNG protein

Cat. No. IFNG-605H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IFNG protein(P01579)(2-166 aa) was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	2-166 aa
<b>Form</b>	Lyophilized from a 0.2 µ filtered concentrated solution in PBS, pH 7.4.
<b>Bio-activity</b>	Fully biologically active when compared to standard. The ED50 as measured in anti-viral assays using human HeLa cells infected with encephalomyocarditis (EMC) virus is 0.15-0.80 ng/ml.
<b>Molecular Mass</b>	Approximately 16.9 kDa, a single non-glycosylated polypeptide chain containing 144 amino acids.
<b>AASequence</b>	MQDPYVKEAE NLKKYFNAGH SDVADNGTLF LGILKNWKEE SDRKIMQSQI VSFYFKLFKN FKDDQSIQKS VETIKEDMNV KFFNSNKKKR DDFEKLTNYS VTDLNVQRKA IHELIQVMAE LSPAAGTGKR KRSQMLFRGR RASQ
<b>Endotoxin</b>	Less than 1 EU/g of rHuIFN-γ as determined by LAL method.
<b>Purity</b>	≥ 95 % by SDS-PAGE analysis ≥ 90 % by HPLC analysis.

 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**

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

## GENE INFORMATION

**Gene Name**

IFNG interferon, gamma [ Homo sapiens ]

**Official Symbol**

IFNG

**Synonyms**

IFNG; interferon, gamma; interferon gamma; IFN-gamma; immune interferon; IFG; IFI;

**Gene ID**

3458

**mRNA Refseq**

NM\_000619

**Protein Refseq**

NP\_000610

**MIM**

147570

**UniProt ID**

P01579

**SDS-PAGE**

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