

## Active Recombinant Rat Ifng protein, hFc-tagged

Cat. No. Ifng-7469R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Ifng protein(P01581)(Met1-Cys156), fused with hFc tag, was expressed in HEK293.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Cys156
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
<b>Bio-activity</b>	1. Measured in antiviral assay using L929 cells infected with vesicular stomatitisvirus (VSV). The ED50 for this effect is typically 1-5 ng/mL.2. Measured by its binding ability in a functional ELISA. Immobilized rat IFNG-Fc at 10 µg/ml (100 µl/well) can bind biotinylated rat IFNGR-Fc. The EC50 of biotinylated rat IFNGR-Fc is 20.1-46.9 ng/ml.
<b>Molecular Mass</b>	The secreted recombinant rat IFNG/Fc is a disulfide-linked homodimer. The reduced monomer comprises 375 amino acids and predicts a molecular mass of 42.5 kDa. The apparent molecular mass of the rat IFNG/Fc monomer is approximately 52 kDa in SDS-PAGE under reducing conditions.

 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

<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 92 % 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 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.
<b>Reconstitution</b>	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

<b>Gene Name</b>	<i>Ifng</i> interferon gamma [ <i>Rattus norvegicus</i> ]
<b>Official Symbol</b>	<i>Ifng</i>
<b>Synonyms</b>	IFNG; interferon gamma; IFN-gamma; IFNG2;
<b>Gene ID</b>	25712
<b>mRNA Refseq</b>	NM_138880
<b>Protein Refseq</b>	NP_620235

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