

Active Recombinant Rat Ifng protein, hFc-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Ifng protein(P01581)(Met1-Cys156), fused with hFc tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-Cys156
Form	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.
Bio-activity	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.
Molecular Mass	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.

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Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 92 % as determined by SDS-PAGE
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	Ifng interferon gamma [Rattus norvegicus]
Official Symbol	Ifng
Synonyms	IFNG; interferon gamma; IFN-gamma; IFNG2;
Gene ID	25712
mRNA Refseq	NM_138880
Protein Refseq	NP_620235

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