

Recombinant Rat IFNGR1 protein(Met1-Ser241), hFc-tagged

Cat. No. IFNGR1-2347R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat IFNGR (Q6P6T3) (Met1-Ser241) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Ser241
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	1. Measured by its binding ability in a functional ELISA. Immobilized Rat IFNGR1 hFc at 2 µg/ml (100 µl/well) can bind Rat Interferon Gamma hFc, Biotinylated the EC50 of Rat Interferon Gamma hFc, Biotinylated is 60-300 ng/mL. 2. Measured by its ability to inhibit rat IFNγ-mediated protection of L929 cells infected with vesicular stomatitisvirus (VSV). The ED50 for this effect is typically 0.5-4 ng/mL in the presence of 10 ng/mL of recombinant rat IFN-gamma.
Molecular Mass	The recombinant rat IFNGR/Fc is a disulfide-linked homodimer. The reduced monomer comprises 466 amino acids and has a predicted molecular mass of 52.4 kDa. The apparent molecular mass of the protein is approximately 117 and 65-80 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per

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	µg of the protein as determined by the LAL method
Purity	> 95 % 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	Ifngr1 interferon gamma receptor 1 [Rattus norvegicus]
Official Symbol	IFNGR1
Synonyms	IFNGR1; interferon gamma receptor 1; Ifngr;
Gene ID	116465
mRNA Refseq	NM_053783
Protein Refseq	NP_446235

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