

Active Recombinant Cynomolgus IFNGR1 Protein, Fc-tagged

Cat. No. IFNGR1-1207C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant cynomolgus IFNGR1 (G7P327) (Met1-Gly245) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Cynomolgus
Source	HEK293
ProteinLength	1-245 a.a.
Predicted N Terminal	Glu 18
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Cynomolgus IFNG at 10 µg/ml (100 µl/well) can bind Cynomolgus IFNGR1-Fc. The EC50 of Cynomolgus IFNGR1-Fc is 20.28-47.32 ng/ml.
Molecular Mass	The recombinant cynomolgus IFNGR1 is a disulfide-linked homodimer. The reduced monomer comprises 469 amino acids and has a calculated molecular mass of 52.8 KDa. The apparent molecular mass of the protein is approximately 63 KDa respectively in SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°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 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IFNGR1 interferon gamma receptor 1 [<i>Macaca fascicularis</i>]
Official Symbol	IFNGR1
Synonyms	interferon gamma receptor 1
Gene ID	101866179
mRNA Refseq	NM_001284940
Protein Refseq	NP_001271869
MIM	
UniProt ID	
Chromosome Location	chromosome: 4
Pathway	Chagas disease (American trypanosomiasis), organism-specific biosystem; Herpes simplex infection, conserved biosystem; Inflammatory bowel disease (IBD), conserved biosystem

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