

Active Recombinant Cynomolgus IFNG Protein

Cat. No. IFNG-1165C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant cynomolgus IFNG [Identical to rhesus IFNG (NP_001028077.1)] (Gln24-Gln165) was expressed and purified with an initial Met.
Species	Cynomolgus
Source	E.coli
ProteinLength	24-165 a.a.
Predicted N Terminal	Met
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 IFNG consists of 143 amino acids and has a calculated molecular mass of 16.9 kDa. It migrates as an 17 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % 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	IFNG interferon, gamma [<i>Macaca fascicularis</i>]
Official Symbol	IFNG
Synonyms	IFN-gamma; interferon-gamma
Gene ID	102128291
mRNA Refseq	NM_001287657
Protein Refseq	NP_001274586
MIM	
UniProt ID	P63309
Chromosome Location	chromosome: 11
Pathway	African trypanosomiasis, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem

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