

Active Recombinant Rat Ifng protein, His-tagged

Cat. No. Ifng-549R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat Ifng protein(P01581)(23~156 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Rat
Source	E.coli
ProteinLength	23-156 aa
Form	Lyophilized from sterile 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	Interferon gamma (IFN γ) is a dimerized soluble cytokine that is the only member of the type II class of interferons. The importance of IFN γ in the immune system stems in part from its ability to inhibit viral replication directly, and most importantly from its immunostimulatory and immunomodulatory effects. It has been reported that IFN- γ promotes production of inducible Nitric Oxide Synthase (iNOS) in macrophages as an important activator. After stimulated with IFN- γ , morphological changes will occur in murine macrophage cell line (Raw 264.7 cells), and inducible nitric-oxide synthase (iNOS) in the cells will increase. Raw 264.7 cells were incubated in DMEM with IFN- γ (10ng/mL) for 24h, then cells were observed by inverted microscope and iNOS in cell lysates was detected by ELISA. Effect of IFN- γ on morphological change of Raw 246.7 cells was shown.

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Molecular Mass	16.8kDa
Purity	> 95% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (PH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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

Activity

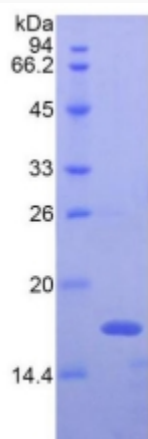


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SDS-PAGE



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