

Active Recombinant Rat Ifng protein, His-tagged

Cat. No. Ifng-470R **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 HEK293.
Species	Rat
Source	HEK293
ProteinLength	23-156 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	IFN-γ is a dimerized soluble cytokine that is the only member of the type II class of interferons. The importance of IFNγ in the immune system stems in part from its ability to inhibit viral replication directly, and most importantly from its immunostimulatory and immunomodulatory effects. As reported, IFNγ is an important activator of lymphocytes. Therefore, EL4 cells were seeded into 96-well plates at a density of 8,000 cells/well with 5% serum standard DMEM including various concentrations of recombinant rat IFN-γ. After incubated for 72h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 μl of CCK-8 solution was added to each well of the plate, then the absorbance at 450 nm was measured using a microplate reader after incubating the plate for 2 hours at 37°C. Cell viability was assessed by CCK-8 (Cell Counting Kit-8) assay after incubation with recombinant rat IFN-γ for 72h. The result was shown. It

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was obvious that IFN- γ significantly inhibit cell viability of EL4 cells. The ED50 is 1.41 μ g/mL.

Molecular Mass	17.1kDa
Endotoxin	<1.0EU per 1 μ g (determined by the LAL method).
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 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

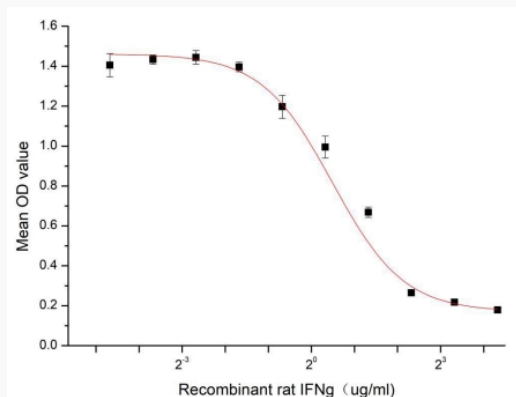
Gene Name	Ifng interferon gamma [Rattus norvegicus]
Official Symbol	Ifng
Synonyms	IFNG; interferon gamma; IFN-gamma; IFNG2;
Gene ID	25712
mRNA Refseq	NM_138880
Protein Refseq	NP_620235

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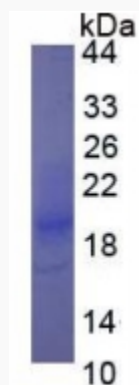
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Activity



SDS-PAGE



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