

Active Recombinant Human IFNG protein, His-tagged

Cat. No. IFNG-480H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IFNG protein(P01579)(24~166 aa), fused with N-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	24-166 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	IFN-g is a dimerized soluble cytokine that is the only member of the type II class of interferons. The importance of IFNg in the immune system stems in part from its ability to inhibit viral replication directly and most importantly from its immunostimulatory and immunomodulatory effects. The activity of recombinant human IFN-g measured by inhibit HIV-1-GFP lentiviral infection HUVEC cells. HUVEC cells were seeded into triplicate wells of 96-well plates at a density of 4,000 cells/well with 10% serum standard DMEM, after the cells adhesion, replace the medium with various concentrations of recombinant human IFN-g, incubate overnight at 37°C. Then suction out the DMEM medium, add lentiviral particles 100 µl to each well, incubate 24h at 37°C, change fresh 10% serum standard DMEM to the well, continuing incubate at 37°C for 96h. The results observed by inverted microscope was shown. The ED50 for this effect is 0.01 ug/ml.

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Molecular Mass	18.4kDa
Endotoxin	<1.0EU per 1µg (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.

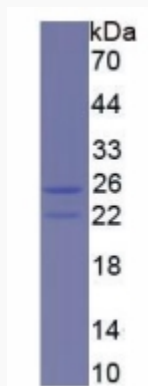
GENE INFORMATION

Gene Name	IFNG interferon, gamma [Homo sapiens]
Official Symbol	IFNG
Synonyms	IFNG; interferon, gamma; interferon gamma; IFN-gamma; immune interferon; IFG; IFI;
Gene ID	3458
mRNA Refseq	NM_000619
Protein Refseq	NP_000610
MIM	147570
UniProt ID	P01579

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SDS-PAGE

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