

Active Recombinant Human IFNG protein

Cat. No. IFNG-6015H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFNG protein(Gln24-Gln166) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	24-166 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized Human FNCR1/CD119 at 1 µg/mL (100 µL/well) can bind Human IFNG with a linear range of 0.98-1. 97 ng/mL. 2. Measured in a cytotoxicity assay using HT-29 cells. The ED50 for this effect is 0.74-2.96 ng/mL, corresponding to a specific activity of $3.38 \times 10^5 \sim 1.35 \times 10^6$ units/mg. 3. Flow cytometry: 1X106A549 cells treated with IFN-γ (1 ng/mL) were surface-stained with PE Rabbit IgG isotype control (5 µl/Test,left) or PE Rabbit anti-Human PD-L1/CD274 mAb (5 µl/Test,right).4.Flow cytometry: 1X106NCI-H460 cells treated with IFN-γ (1 ng/mL) were surface-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Human PD-L1/CD274 mAb (5 µl/Test,right)
Molecular Mass	16.78 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.
Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

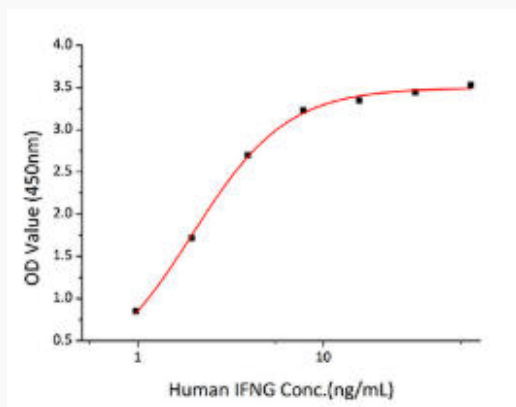
Gene Name	IFNG interferon, gamma [Homo sapiens]
Official Symbol	IFNG
Synonyms	IFNG; interferon, gamma; interferon gamma; IFN-gamma; immune interferon; IFG; IFI;
Gene ID	3458
mRNA Refseq	NM_000619
Protein Refseq	NP_000610
MIM	147570
UniProt ID	P01579

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Activity



SDS-PAGE

