

Recombinant Rat Interferon- γ (IFN- γ)

CATALOG #:	4118-20	20 μ g
	4118-100	100 μ g
	4118-1000	1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per μ g of INF- γ .

MOL. WEIGHT: 15.6 kDa

FORMULATION: Lyophilized from 0.5X PBS, pH 7.2.

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in sterile ddH₂O to a concentration of 0.1-1 mg/ml.

STORAGE CONDITIONS:

The lyophilized IFN- γ is best-stored desiccated below 0°C. Reconstituted IFN- γ can be stored at 4°C for 1 week or stored at working aliquots at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HAS or BSA). Avoid freeze/thaw cycles.

DESCRIPTION:

IFN- γ is a lymphoid factor that possesses potent anti-viral activity. It has also been shown to stimulate macrophages and NK cells. Rat IFN- γ is a 15.6 kDa protein containing 135 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by a cytopathic affect inhibition assay with murine L929 cells challenged with EMC virus was \leq 0.1 ng/ml, corresponding to a specific activity of \geq 1 x 10⁷ units/mg.

FOR RESEARCH USE ONLY. Not to be used on humans

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies