

## Recombinant Human Interferon- $\gamma$ (IFN- $\gamma$ )

**CATALOG #:**

4116-20	20 $\mu$ g
4116-100	100 $\mu$ g
4116-1000	1 mg

**LOT #:** \_\_\_\_\_

**SOURCE:** *E. coli*

**PURITY:** >98% by SDS-PAGE and HPLC analysis  
Endotoxin level is <0.1 ng per  $\mu$ g of IFN- $\gamma$ .

**MOL. WEIGHT:** 16.9 kDa

**FORMULATION:** Lyophilized powder with no additive

### RECONSTITUTION:

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

### STORAGE CONDITIONS:

The lyophilized IFN- $\gamma$  should be stored desiccated below 0°C. Reconstituted IFN- $\gamma$  should be stored at working aliquots at -20°C. For long term storage, it's recommend to add a carrier protein (0.1% HAS or BSA).

### DESCRIPTION:

IFN- $\gamma$  is a lymphoid factor that possesses potent anti-viral activity. It has also been shown that INF- $\gamma$  stimulates macrophages and NK cells. Recombinant human IFN- $\gamma$  is a 16.9 kDa protein containing 144 amino acid residues.

### BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> as determined in a viral resistance assay is  $\leq$  0.05 ng/ml, corresponding to a specific activity of  $\geq 2 \times 10^7$  units/mg.

### 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
- $\beta$ -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

#### Growth Factors and Cytokines

#### Monoclonal and Polyclonal Antibodies

**FOR RESEARCH USE ONLY! Not to be used on humans.**