

## Recombinant Human Interferon-alpha 2a(IFN-α 2a)

|                     |   |        |
|---------------------|---|--------|
| <b>CATALOG #:</b>   | 4594-20   | 20 µg  |
|                     | 4594-100  | 100 µg |
|                     | 4594-1000   | 1 mg   |
| <b>LOT #:</b>       | _____   |        |
| <b>SOURCE:</b>      | <i>E. coli</i>  |        |
| <b>PURITY:</b>      | >95% by SDS-PAGE and HPLC analysis<br>Endotoxin level is <0.03 ng per µg of IFN-α 2a. |        |
| <b>MOL. WEIGHT:</b> | 19.4 kDa  |        |
| <b>FORM:</b>        | Lyophilized without additives   |        |

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or – 20°C for future use. For long-term storage, it is recommended to add a carrier protein (0.1% BSA or HAS).

### STORAGE CONDITIONS:

The lyophilized IFN-α 2a is best-stored desiccated below 0°C. Reconstituted IFN-α 2a should be stored at working aliquots at -20°C.

### DESCRIPTION:

Recombinant human IFN-α 2a is a single, non-glycosylated, polypeptide chain with a molecular mass 19.4 kDa containing 166 amino acid residues.

### BIOLOGICAL ACTIVITY:

The specific activity as determined in a viral resistance assay using VSV-WISH cells was found to be greater than  $1 \times 10^8$  IU/mg.

**USAGE:** For Research Use Only! Not to be used in 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

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