

**Recombinant Human Interferon-alpha 2a(IFN- $\alpha$  2a)**

<b>CATALOG #:</b>	4594-20	20 $\mu$ g
	4594-100	100 $\mu$ g
	4594-1000	1 mg
<b>LOT #:</b>	_____	
<b>SOURCE:</b>	<i>E. coli</i>	
<b>PURITY:</b>	>95% by SDS-PAGE and HPLC analysis Endotoxin level is <0.03 ng per $\mu$ g of IFN- $\alpha$ 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- $\alpha$  2a is best-stored desiccated below 0°C. Reconstituted IFN- $\alpha$  2a should be stored at working aliquots at -20°C.

**DESCRIPTION:**

Recombinant human IFN- $\alpha$  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 &amp; 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 &amp; 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 &amp; 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 &amp; Lipid Transfer

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

## Molecular Biology &amp; 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