

## Recombinant Murine Interleukin-1 $\alpha$ (IL-1 $\alpha$ )

<b>CATALOG #:</b>	4126-10
<b>AMOUNT:</b>	10 $\mu$ g
<b>LOT #:</b>	_____
<b>SOURCE:</b>	<i>E. coli</i>
<b>PURITY:</b>	>98% by SDS-PAGE and HPLC analysis Endotoxin level is <0.1 ng per $\mu$ g of IL-1 $\alpha$ .
<b>MOL. WEIGHT:</b>	17.9 kDa
<b>FORMULATION:</b>	Sterile filtered and lyophilized from 1 mM of Tris buffer solution

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0  $\mu$ g/ $\mu$ l. The solution can be diluted into other buffered solutions or stored at -20°C for future use.

### STORAGE CONDITIONS:

The lyophilized IL-1 $\alpha$  is best-stored desiccated below 0°C. Reconstituted IL-1 $\alpha$  should be stored at working aliquots at -20°C.

### DESCRIPTION:

Interleukin-1 alpha (IL-1 $\alpha$ ) is a potent immuno-modulator that mediates a wide range of immune and inflammatory responses. Murine IL-1 $\alpha$  is a 17.9 kDa protein containing 156 amino acid residues.

### BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of murine D10S cells is  $\leq$ 0.002 ng/ml, corresponding to a specific activity of  $\geq$ 5 x 10<sup>8</sup> units/mg.

**USAGE:** For Research Purpose Only. Not to be used in human.

### RELATED PRODUCTS:

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- 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

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- 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

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

#### Signal Transduction

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

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- 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

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