

## Recombinant Murine Interleukin-15 (IL-15)

<b>CATALOG #:</b>	4171-10	10 µg
	4171-1000	1 mg
<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 µg of IL-15.	
<b>MOL. WEIGHT:</b>	13.3 kDa	
<b>FORMULATION:</b>	Lyophilized from 10 mM Tris, pH 8.0	

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 µg/µl. The solution can then be diluted into other aqueous buffers and stored at -4°C for 1 week or -20°C for future use.

### STORAGE CONDITIONS:

The lyophilized murine IL-15 is best-stored desiccated below 0°C. Reconstituted IL-15 should be 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:

IL-15 is a potent lymphoid cell growth factor that exerts its biological activities primarily on T cells. Recombinant murine IL-15 is a 13.3 kDa protein containing 115 amino acid residues.

### BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of murine CTLL-2 cells is ≤5 ng/ml, corresponding to a specific activity of ≥2 x 10<sup>5</sup> units/mg.

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

### 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

- 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

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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
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

#### Growth Factors and Cytokines

#### Monoclonal and Polyclonal Antibodies