

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

|            |           |       |
|------------|-----------|-------|
| CATALOG #: | 4170-10   | 10 µg |
|            | 4170-50   | 50 µg |
|            | 4170-1000 | 1 mg  |

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

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC Analyses  
Endotoxin level is <0.1 ng per µg of IL-15.

MOL. WEIGHT: 12.8 kDa

FORMULATION: Lyophilized from 5 mM Tris, pH 8.0

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. The solution can be diluted into other aqueous buffers or stored at -20° C for future use.

### STORAGE CONDITIONS:

The lyophilized human IL-15 is best-stored desiccated below 0° C. Reconstituted IL-15 should be stored at working aliquots at -20° C.

### DESCRIPTION:

IL-15 is a potent lymphoid cell growth factor that exerts its biological activity primarily on T cells. Human IL-15 is a 12.8 kDa protein containing 114 amino acid residues.

### BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of CTLL-2 cells is ≤0.5 ng/ml, corresponding to a specific activity of ≥2 x 10<sup>6</sup> units/mg.

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

### RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

#### Cell Fractionation System

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- 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

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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
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

#### Growth Factors and Cytokines

#### Monoclonal and Polyclonal Antibodies