

## Recombinant Human Interleukin-21 (IL-21)

**CATALOG #:** 4182-10 10 µg  
4182-50 50 µg  
4182-1000 1 mg

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

**SOURCE:** *E. coli*

**PURITY:** >90% by SDS-PAGE and HPLC analysis  
Endotoxin level <0.1 ng per µg of IL-21.

**MOL. WEIGHT:** 15.5 kDa

**FORM:** Lyophilized (from 1 mg/ml solution containing no additives).

### RECONSTITUTION:

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

### STORAGE CONDITIONS:

The lyophilized IL-21 is best-stored desiccated below 0°C. Reconstituted IL-21 should be stored at working aliquots at -20°C.

### DESCRIPTION:

Recombinant human IL-21 is a homodimeric, non-glycosylated polypeptide containing 133 amino acid residues and has a molecular weight of 15.5 kDa.

### BIOLOGICAL ACTIVITY:

The recombinant human IL-21 is fully biologically active when compared to standard. The ED<sub>50</sub> as determined by the dose-dependent stimulation of human peripheral blood mononuclear cells is <5 ng/ml.

### 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
- 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

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