

## Recombinant Rat Interleukin-2 (IL-2)

**CATALOG #:** 4133-20 20 µg  
4133-1000 1 mg

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

**SOURCE:** *E. coli*

**PURITY:** >98% by SDS-PAGE and HPLC analysis  
Endotoxin level is <0.1 ng per µg of IL-2.

**MOL. WEIGHT:** 15.3 kDa

**FORMULATION:** Lyophilized from 10 mM Sodium Citrate, pH 4.0

### RECONSTITUTION:

Centrifuge the vial prior to opening. It's recommended to reconstitute the lyophilized IL-2 in sterile 20 mM AcOH to a concentration of 1 µg/µl. The solution can then be diluted into other aqueous solutions or stored at -20°C for future use.

### STORAGE CONDITIONS:

The lyophilized IL-2 is best-stored desiccated below 0°C. Reconstituted IL-2 can be stored at 4°C for 2-5 days and for future use store at working aliquots at -20°C. For long term storage, it is recommended to add a carrier protein (e.g., 0.1% BSA).

### DESCRIPTION:

Interleukin-2 (IL-2) is a potent lymphoid cell growth factor that exerts its biological activity primarily on T cells. The recombinant rat IL-2 is a 15.3 kDa protein containing 134 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 <0.4 ng/ml, corresponding to a specific activity of >2.5 x 10<sup>6</sup> units/mg.

**NOTE:** For research use 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

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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
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

#### Growth Factors and Cytokines

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