

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

<b>CATALOG #:</b>	4132-20	20 µg
	4132-100	100 µg
	4132-1000	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-2.	
<b>MOL. WEIGHT:</b>	17.2 kDa	
<b>FORMULATION:</b>	Lyophilized from 10 mM NaCitrate, pH 4.0	

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 100 mM AcOH to a concentration of 0.1-1 µg/µl to regain full activity. The solution can then be diluted into other aqueous buffers or stored at 4°C for 1 week or -20°C for future use.

### STORAGE CONDITIONS:

The lyophilized IL-2 is best-stored desiccated below 0°C. Reconstituted IL-2 should be stored at working aliquots at -20°C. For long term storage it is recommended to add a carrier protein (0.1% BSA). Please prevent freeze-thaw cycles.

### DESCRIPTION:

Interleukin-2 (IL-2) is a potent lymphoid cell growth factor that exerts its biological activity primarily on T cells. The recombinant Murine IL-2 is a 17.2 kDa protein containing 149 amino acid residues.

### BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> range is 0.1-0.4 ng/ml, as determined by the dose-dependent stimulation of the proliferation of murine CTLL-2 cells.

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

### RELATED PRODUCTS:

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- 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

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
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- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
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- Akt & JNK Activity Assay Kits
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- PLTP Activity Assay & Drug Discovery Kits
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