

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

<b>CATALOG #:</b>	4172-10	10 µg
	4172-1000	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>	13.5 kDa	
<b>FORMULATION:</b>	Sterile filtered and lyophilized with no additives	

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 50 mM Tris, pH 8.5 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 rat IL-15 should be stored desiccated below 0° C. Reconstituted IL-15 should be stored at working aliquots at -20° C.

### DESCRIPTION:

IL-15 stimulates the proliferation of T lymphocytes and shares many biological properties with IL-2. IL-15 exerts its biological activities primarily on T cells. It is also essential in the development, survival and activation of NK cells. Increased expression of IL-15 has been implicated with rheumatoid arthritis, inflammatory bowel disease and diseases affiliated with retroviruses HIV and HTLV-I. Recombinant rat IL-15 is a 13.5 kDa protein consisting of 115 amino acid residues.

### BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> 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.

**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

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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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- Bioluminescence Cytotoxicity Assay Kit
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