

Recombinant Rat Interleukin-15 (IL-15)

CATALOG #: 4172-10 10 µg
4172-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

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

MOL. WEIGHT: 13.5 kDa

FORMULATION: 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 ED₅₀ 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 10⁵ units/mg.

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

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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

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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

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
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