

Recombinant Murine Interleukin-7 (IL-7)

CATALOG #: 4147-10 10 µg
4147-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analysis
Endotoxin level is <0.1 ng per µg of IL-7.

MOL. WEIGHT: 15.0 kDa

FORMULATION: Sterile filtered and lyophilized with no additives

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water 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 IL-7 is best-stored desiccated below 0°C. Reconstituted IL-7 should be stored at working aliquots at -20°C.

DESCRIPTION:

Interleukin-7 (IL-7) is a potent lymphoid cell growth factor that affects Pre-B, Pro-B and early T cells. It will also affect mature T cells in combination with other factors such as ConA and IL-2. Human and murine IL-7 is cross-species reactive. The recombinant Murine IL-7 is a 15.0 kDa protein containing 130 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of murine 2E8 cells is ≤0.2 ng/ml, corresponding to a specific activity of >5 x 10⁶ units/mg.

USAGE: For Research Use 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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