

Recombinant Human Interleukin-2 (IL-2)

CATALOG #: 4131-50 50 µg
4131-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >95% by SDS-PAGE and HPLC analysis
Endotoxin level is <0.1 ng per µg of IL-2.

MOL. WEIGHT: 15.5 kDa

FORMULATION: Lyophilized with no additives

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in H₂O to a concentration of 0.1-1.0 mg/ml. 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% HAS or BSA).

DESCRIPTION:

IL-2 is a potent immuno-modulator, which mediates a wide range of immune and inflammatory responses. Recombinant Human IL-2 is a 15.5 kDa protein containing 134 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of murine CTLL-2 cells is ≤ 0.1 ng/ml, corresponding to a specific activity of ≥ 1 x 10⁷ units/mg.

FOR RESEARCH USE ONLY! Not to be used in 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

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
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- DNA Damage Quantification Kit
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