rev. 07/07

Recombinant Human Midkine

CATALOG #: 4479-20 20 μg

4479-100 100 μg 4479-1000 1 mg

LOT #: _____

SOURCE: E. coli

PURITY: >98% by SDS-PAGE and HPLC analyses

Endotoxin level is <0.1 ng per μg.

MOL. WEIGHT: 13.4 kDa

FORM: Lyophilized from 0.4X PBS, pH7.4

RECONSTITUTION:

Centrifuge the vial before opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This 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 protein is best-stored desiccated below 0°C. Reconstituted human Midkine should be stored in working aliquots at -20°C.

DESCRIPTION:

Human Midkine (MK) is a new member of the heparin-binding neurotrophic factor family. MK and PTN (Pleiotrophin) are structural homologs, and are highly conserved among species. MK plays important roles in development and carcinogenesis and has several important biological effects, including promotion of neurite extension and neuronal survival. Recombinant midkine is a 13.4 kDa protein, comprising of 123 amino acid residues.

BIOLOGICAL ACTIVITY:

Determined by its ability to chemoattract human neutrophils using a concentration of 0.1-10 ng/ml.

FOR RESEARCH USE ONLY! Not to be used on humans.

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- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

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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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