

Recombinant Human SDF-1 α

CATALOG #: 4387-10 10 μ g
4387-50 50 μ g
4387-1000 1 mg

LOT #: _____

SOURCE: *E. Coli*

PURITY: >98% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per μ g (1EU/ μ g).

MOL. WEIGHT: 8.0 kDa

FORM: Sterile filtered and lyophilized with no additives

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitution in water 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 protein is best-stored desiccated below 0°C. Reconstituted SDF-1 α should be stored at working aliquots at -20°C.

BACKGROUND DESCRIPTION:

Human Stromal Cell-Derived Factor-1 α (SDF-1 α) is a recently discovered protein belonging to the α -chemokine (C-X-C) family of cytokines. Human SDF-1 α is an 8.0 kDa protein containing 68 amino acids residues with N-terminus His-tag.

BIOLOGICAL ACTIVITY:

Determined by its ability to chemoattract human peripheral T cells activated with PHA and IL-2 using a concentration range of 20-80 ng/ml.

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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

- 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

- Quick Cell Proliferation Assay Kit
- 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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- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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Growth Factors and Cytokines