rev. 05/14

For research use only

SDF-1α, Murine Recombinant

CATALOG #: 4388-10 10 μg

4388-50 50 µg 4388-1000 1 mg

SOURCE: E. Coli

PURITY: >99% by SDS-PAGE and HPLC analyses

Endotoxin level is <0.1 ng per μg (1EU/μg).

MOL. WEIGHT: 8.3 kDa

FORM: Lyophilized from LAL water.

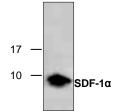
RECONSTITUTION: We recommend a quick spin followed by reconstitution in water to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers or stored at 4°C for 1 week or –20°C for future use.

STORAGE CONDITIONS: The lyophilized protein is best-stored desiccated below 0° C. Reconstituted SDF-1 α should be stored at working aliquots at -20 $^{\circ}$ C.

BACKGROUND DESCRIPTION: Stromal Cell-Derived Factor- 1α (SDF- 1α) is a recently discovered protein belonging to the α -chemokine (C-X-C) family of cytokines. Recombinant murine SDF- 1α is a 8.3 kDa protein containing 68 amino acids residues.

BIOLOGICAL ACTIVITY: Determined by its ability to chemoattract human peripheral blood monocytes using a concentration range of 50-100 ng/ml.

AMINO ACID SEQUENCE: KPVSLSYRCP CRFFESHIAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNK.



Cat. #: 4388

Purity of recombinant murine SDF-1α (2 μg) was analyzed by SDS-PAGE electrophoresis.

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

RELATED PRODUCTS:

- SDF-1α, rat recombinant (Cat # 7199-10, -50)
- SDF-1β, rat recombinant (Cat # 7200-10, -50)
- SDF-1 beta/CXCL12, feline recombinant (Cat # 4389-10, -100, -1000)
- SDF-1alpha (CXCL12), human recombinant (Cat # 4387-10, -100, -1000)
- SDF-1beta (CXCL12), human recombinant (Cat # 4390-10, -100, -1000)
- SDF-1beta (CXCL12), murine recombinant (Cat # 4391-10, -100, -1000)

