

Recombinant Mouse SF20

CATALOG #:	4334-10	10 µg
	4334-1000	1 mg
LOT #:		
SYNONYMS:	UPF0556 protein C19orf10 homolog, Stromal cell-derived growth factor SF20, Interleukin-25, IL-25, D17Wsu104e, IL25, SF20, R33729_1, C19orf10, Chromosome 19 Open Reading Frame 10.	
SOURCE:	<i>E. coli</i>	
PURITY:	> 97 % by SDS-PAGE and RP-HPLC	
FORM:	Lyophilized from a sterile filtered solution containing PBS pH 7.4	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in sterile ddH₂O to a concentration ≥ 100 µg/ml. This solution can then be diluted into other aqueous buffers.

STORAGE CONDITIONS:

The lyophilized protein is best-stored desiccated at -20°C. Reconstituted mouse SF20 should be stored at 4°C for 2-7 days and at -20°C for future use. For long term storage it is recommended to add a carrier protein (0.1 % HSA or BSA). Avoid freeze/thaw cycles.

DESCRIPTION:

Mouse SF20 is a bone marrow stroma-derived growth factor. SF20 is expressed in the bone marrow, spleen stroma cells, resting mononuclear cells, resting CD8+ and CD19+ cells and activated CD8+ T cells. SF20 has been shown to bind to the surface of cells expressing the receptor TSA-1 (Thymic shared Ag-1). Among SF20's biological activities is stimulation of the proliferation of FDCP2 cells (a mouse factor-dependent hemopoietic cell line) and mouse lymphoid cells. Chromosome 19 Open Reading Frame 10 Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 143 amino acids and having a molecular mass of 15.8kDa. The Mouse SF20 is purified by proprietary chromatographic techniques.

AMINO ACID SEQUENCE:

MVSEPTTVPF DVRPGGVVHS FSQDVGPNGK FTCTFTYASQ GGTNEQWQMS
LGTSEDSQHF TCTIWRPQKG SYLYFTQFKA ELRGAEIEYA MAYSKAAFER ESDVPLKSEE
FEVTKTAVSH RPGAFKAELS KLVIVAKAAR SEL

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- 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

Cell Damage & Repair

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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