



Recombinant Mouse SF-20

20161212BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	M10-092
Size:	10 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	56005
Synonyms:	C19orf10; IL25; IL27; SF20; IL27w; R33729_1; EUROIMAGE1875335

Murine SF20 is a bone marrow stroma-derived growth factor. SF20 is expressed in bone marrow, spleen stroma cells, resting mononuclear cells, resting CD8+ and CD19+ cells and activated CD8+ T cells and has been shown to bind to the surface of cells expressing the receptor TSA-1 (Thymic shared Ag-1). Among its biological activities, SF20 stimulates the proliferation of FDCP2 cells (a mouse factor-dependent hemopoietic cell line) and mouse lymphoid cells. Recombinant murine SF20 is a 15.8 kDa protein containing 143 amino acid residues.

Sequence

MVSEPTTVPFVDVRPGGVVHSFSQDVGPGNKFTCTFTYASQGGTNEQWQMSLG
TSEDSQHFTCTIWRPQGKSYLYFTQFKAELRGAEIEYAMAYSKAAFERESDV
PLKSEFEFVTKTAVSHRPGAFKAELSKLVIVAKAARSEL

Database References

Protein RefSeq:	NP_543027.1
Uniprot ID:	Q9CPT4
mRNA RefSeq:	NM_080837.2

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	143
MW:	15.8 kDa

Stability: The lyophilized protein is stable at room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C.

Reconstitution: Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. *Do not vortex.* This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Biological Activity: Data not available.