



## Chromosome 19 Open Reading Frame 10 (IL-25, SF20), mouse recombinant (rmC19orf10)

**Catalog No:** 97292  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** UPF0556 protein C19orf10 homolog, Stromal cell-derived growth factor SF20, Interleukin-25, IL-25, D17Wsu104e, IL25, IL27, SF20, IL27w, R33729\_1, C19orf10, Chromosome 19 Open Reading Frame 10

### Background

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.

### Description

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 15.8 kDa. Mouse SF20 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

### Formulation

Mouse SF20 was lyophilized from a 0.2 µm filtered concentrated (1.0 mg/ml) solution in PBS, pH 7.4.

### Solubility

It is recommended to reconstitute the lyophilized SF20 in sterile water not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

### Stability

Lyophilized SF20, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Mouse SF20 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Purity

Greater than 97.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

### Amino Acid Sequence

MVSEPTTVPF DVRPGGVVHS FSQDVGPGNK FTCTFTYASQ GGTNEQWQMS LGTSEDSQHF TCTIWRPQ GK SYLYFTQFKA  
ELRGAEIEYA MAYSKA AFER ESDVPLKSEE FEVTKTAVSH RPGAFKAELS KLVIVAKAAR SEL

### Usage

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