

## Overview

<b>Description</b>	Mouse 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.
<b>Species</b>	Mouse
<b>Source</b>	<i>E. coli</i>
<b>Sequence</b>	MVSEPTTVPF DVRPGGVVHS FSQDVGPNGK FTCTFTYASQ GGTNEQWQMS LGTSEDSQHF TCTIWRPQ GK SYLYFTQFKA ELRGAEIEYA MAYSKAAFER ESDVPLKSEE FEVTKTAVSH RPGAFKAELS KLVIVAKAAR SEL

## Properties

<b>Measured Molecular Weight</b>	Approximately 15.8 kDa, a single non-glycosylated polypeptide chain containing 143 amino acids.
<b>Purity</b>	> 95 % by SDS-PAGE and HPLC analyses.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at d -20 °C. Further dilutions should be made in appropriate buffered solutions.
<b>Endotoxin Level</b>	Less than 1 EU/µg of rMuSF-20 as determined by LAL method.
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Storage</b>	This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. <b>Avoid repeated freeze/thaw cycles.</b>

India Contact:

**Life Technologies (India) Pvt. Ltd.**

306, Aggarwal City Mall, Opposite M2K Pitampura,  
Delhi – 110034 (INDIA).

Mobile: +91-9810521400, Ph: +91-11-42208000

Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com)

Web: [www.lifetechindia.com](http://www.lifetechindia.com)