

## PRODUCT DATA SHEET



Bioworld Technology, Inc.

### Recombinant Murine SF20 (rMuSF20)

Catalog Number: PR2034

Source: Escherichia coli.

Quantity: 2µg/10µg/1.0mg

#### Description

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.

#### Molecular Weight:

Approximately 15.8 kDa, a single non-glycosylated polypeptide chain containing 143 amino acids.

#### Purity:

>95% by SDS-PAGE and HPLC analyses.

#### Biological Activity:

Data Not Available.

#### Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

#### Formulation:

Lyophilized from a 0.2mm filtered concentrated solution in PBS, pH 7.4.

#### AA Sequence:

MVSEPTTVPFDV R P G G V V H S F S Q D V G P  
GNKFTCTFTYASQGGTNEQWQMSLGTS

EDSQHFCTIWRPQGKSYLYFTQFKAE  
LRGAIEYAMAYSKAAFERESDVPLKS  
EEFEVTKTAVSHRPGAFKAE LSKLVIV  
AKAARSEL

#### Endotoxin:

Less than 1EU/mg of rMuSF20 as determined by LAL method.

#### Reconstitution:

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 <-20°C. Further dilutions should be made in appropriate buffered solutions.

#### Storage:

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. Avoid repeated freeze/thaw cycles.

#### Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. Made in China

MADE IN CHINA

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