

IL-25, Mouse

Cat. No.: Z02771-10

Size: 10.0 ug

Synonyms: Interleukin-25 (IL-25), Mouse

Description:

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.

Amino Acid Sequence:

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00001 MVSEPTTVPF DVRPGGVVHS FSQDVGPGNK FTCTFTYASQ
00041 GGTNEQWQMS LGTSEDSQHF TCTIWRPQGK SYLYFTQFKA
00081 ELRGAEIEYA MAYSKAAFER ESDVPLKSEE FEVTKTAVSH
00121 RPGAFKAELS KLVIVAKAAR SEL
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Source: *E. coli*

Species: Mouse

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

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

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.

Purity: > 95 % by SDS-PAGE and HPLC analyses.

Endotoxin Level: Less than 1 EU/µg of rMuSF-20 as determined by LAL method.

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.