

TECHNICAL DATA SHEET

Recombinant Mouse SF-20 (Carrier-Free)

Catalog Number: 21-9131

RPx-Pro™ Recombinant Protein PRODUCT INFORMATION

CONTENTS

Recombinant Mouse SF-20 (Carrier-Free)

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.

MOLECULAR MASS

Recombinant Mouse SF20 is a 15.8 kDa protein containing 143 amino acid residues.

AMINO ACID SEQUENCE

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

SOURCE

E. coli

APPLICATIONS

Bioassay

PURITY

98 %

STORAGE

-20°C

PROTEIN CONTENT

Content Verified by UV Spectroscopy and/or SDS-PAGE gel.

ENDOTOXIN LEVEL

Endotoxin level is <0.1 ng/μg of protein (<1EU/μg).

AUTHENTICITY

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

CROSS REACTIVITY

Mouse

BIOACTIVITY

Data not available at this time.

RESEARCH AREAS

Immune System, Proliferation

RECONSTITUTION

See Certificate of Analysis (COA) for lot specific reconstitution information.

REFERENCES

Yagi, R. The transcription factor GATA3 is critical for the development of all IL-7Rα-expressing innate lymphoid cells. 2014. *Immunity*; 40(3):378-88. Gómez, D. Effector T Cell Egress via Afferent Lymph Modulates Local Tissue Inflammation. 2015. *The Journal of Immunology*; 195(8):3531-6.

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