

# Recombinant Murine Chromosome 19 Open Reading Frame 10

**Cat. No.** C19orf10-961M    **Lot. No.** (See product label)

## SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Recombinant Human C19orf10 produced in <i>E.coli</i> was a 15.8kDa protein containing 143 amino acid residues.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>             | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>              | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>         | 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. |
| <b>Purity</b>              | >98% by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Endotoxin level</b>     | <0.1ng/μg of C19orf10.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Stabilizer</b>          | None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Buffer</b>              | None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Formulation</b>         | Lyophilized.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Biological Activity</b> | Data not available at this time.                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution</b> | The murine SF20 should be reconstituted in water to a concentration of 0.1-1.0 mg/ml. This solution can be diluted in water or other buffer solutions or stored at -20°C.                                    |
| <b>Stability</b>      | The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted murine SF20 should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles. |

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | C19orf10 chromosome 19 open reading frame 10 [ Homo sapiens ]                                                                                                                                                                                                                                                |
| <b>Synonyms</b>            | C19orf10; chromosome 19 open reading frame 10; IL25; IL27; SF20; IL27w; R33729_1; EUROIMAGE1875335; hypothetical protein LOC56005; interleukin 25; interleukin 27 working designation; stromal cell-derived growth factor; UPF0556 protein C19orf10; Stromal cell-derived growth factor SF20; Interleukin-25 |
| <b>Gene ID</b>             | 56005                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>         | NM_019107                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>      | NP_061980                                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>                 | 606746                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>          | Q969H8                                                                                                                                                                                                                                                                                                       |
| <b>Chromosome Location</b> | 19p13.3                                                                                                                                                                                                                                                                                                      |
| <b>Function</b>            | growth factor activity; protein binding                                                                                                                                                                                                                                                                      |

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