

## 32-20221: Recombinant Murine SDF-1Alpha (CXCL12)(Discontinued)

**Reactivity :** Human, Mouse, Rat

**Alternative Name :** Stromal-Cell Derived Factor-1, CXCL12, PBSF

### Description

**Source:**E.coli

SDF-1Alpha and Beta are stromal-derived, CXC chemokines that signal through the CXCR4 receptor. SDF-1Alpha and Beta chemoattract B and T cells, and have been shown to induce migration of CD34+ stem cells. Additionally, the SDF-1 proteins exert HIV-suppressive activity in cells expressing the CXCR4 receptor. Human and murine SDF-1 proteins act across species. SDF-1Alpha and Beta contain the four highly conserved cysteine residues present in CXC chemokines. The mature SDF-1Alpha protein is the result of alternative splicing of the SDF-1 gene and contains 68 amino acid residues. Recombinant Murine SDF-1Alpha is a 7.9 kDa protein containing 68 amino acid residues.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Amino Acid :** KPVLSYRCP CRFFESHIAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNK

### Application Note

Determined by its ability to chemoattract human peripheral blood monocytes using a concentration of 50-100 ng/ml.