

## 32-20225: Recombinant Rat SDF-1Beta (CXCL12)(Discontinued)

**Reactivity :** Human, 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-1Beta protein, produced by an N-terminal truncation of two additional amino acids, after removal of the signal sequence, contains 72 amino acid residues. Recombinant Rat SDF-1Beta is an 8.4 kDa protein containing 72 amino acid residues.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Purity: >= 95% by SDS-PAGE gel and HPLC analyses.

**Amino Acid :** KPVSLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKSNNRQVC IDPKLKWIQE YLDKALNKRL KM

### Application Note

Determined by its ability to chemoattract human monocytes using a concentration range of 100.0-200.0 ng/ml.