

## 32-20220: Recombinant Human SDF-1Alpha (CXCL12)(Discontinued)

**Reactivity :** Cow, Dog, Human, Monkey, 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 Human SDF-1Alpha is an 8.0 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 CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNK

### Application Note

Determined by its ability to chemoattract human peripheral T cells activated with PHA and IL-2 using a concentration of 20-80 ng/ml.