

32-20223: Animal-Free Recombinant Human SDF-1Beta (CXCL12)(Discontinued)

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 Human SDF-1Beta is an 8.5 kDa protein containing 72 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 YLEKALNKRF KM

Application Note

Determined by its ability to chemoattract human peripheral T cells activated with PHA and IL-2 using a concentration range of 20.0-80.0 ng/ml.