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32-20397: Animal-Free Recombinant Human SDF-1Alpha (CXCL12)(Discontinued)

Reactivity : Human, Mouse
Alternative Name : Stromal-Cell Derived Factor-1, CXCL12, PBSF

Description

Source:E.coliSDF-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.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : KPVSLSYRCP 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 concentation of 20-80 ng/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.