BIOTECHNOLOGY
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For research only !

Recombinant Human SDF-1α (CXCL12)

Cat. # UB-28A

SDF-1α and β are stromal-derived, CXC chemokines that signal through the CXCR4 receptor. SDF-1α and β 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-1α and β contain the four highly conserved cysteine residues present in CXC chemokines. The mature SDF-1α protein is the result of alternative splicing of the SDF-1 gene and contains 68 amino acid residues. Recombinant Human SDF-1α is an 8.0 kDa protein containing 68 amino acid residues.

Product Information

Source:*E.coli*

Status: Lyophilized powder

Synonyms: Stromal-Cell Derived Factor-1, CXCL12, PBSF

AA Sequence(C contains His-tag):KPVSLSYRCPCRFFESHVARANVKHLKILNTPNCA LQIVARLKNNNRQVCIDPKLKWIQEYLEKALNKHHHHHH

Purity:≥ 98% by SDS-PAGE gel.

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

Calculated Molecular Weight:8.7 kDa

Accession Number:P48061

Gene ID:6387

Use & Storage

Lyophilized powder at -20℃ Reconstituted stock solution at -80℃

Avoid multiple freeze/thaw cycles.