

Rat CXCL12 / SDF1 (alpha)

Alternate names:	C-X-C motif chemokine 12, C-X-C motif chemokine 12, IRH, Interchrine reduced in hepatomas, PBSF, SDF-1, SDF-1-alpha, SDF-1-beta, SDF1A, SDF1B, Stromal cell-derived factor 1
Catalog No.:	AR08009PU-N
Quantity:	10 µg
Background:	SDF-1 alpha and beta are stromal derived CXC chemokines, and 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.
Uniprot ID:	Q9QZD1
NCBI:	NP_071513
GeneID:	24772
Species:	Rat
Source:	E. coli
Format:	State: Lyophilized, Sterile filtered protein. Purity: >98% pure by SDS-PAGE and HPLC analyses. Endotoxin Level: < 0.1 ng per µg (1EU/µg).
Description:	Recombinant rat SDF-1α is a 7.9 kDa protein containing 68 amino acid residues. AA Sequence: KPVLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKSNNRQVC IDPKLKIQE YLDKALNK Molecular weight: 7.9 kDa (68 aa)
Storage:	The lyophilized protein is stable for one year from despatch at -20°C. Reconstituted SDF-1 alpha is stable for 3 months when stored in working aliquots with a carrier protein at -20°C.