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Rat CXCL12 / SDF1 (alpha)

Alternate names: C-X-C motif chemokine 12, C-X-C motif chemokine 12, IRH, Intercrine reduced in hepatomas,

PBSF, SDF-1, SDF-1-alpha, SDF-1-beta, SDF1A, SDF1B, Stromal cell-derived factor 1

Catalog No.: AR08009PU-S

Quantity: 2 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: 090ZD1

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: $< 0.1 \text{ ng per } \mu g \text{ (1EU/}\mu g).$

Description: Recombinant rat SDF-1α is a 7.9 kDa protein containing 68 amino acid residues.

AA Sequence:

KPVSLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKSNNRQVC IDPKLKWIQE 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.