

SDF-1, 22-93aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP03871

3th Edition

Synonyms:Stromal cell-derived factor 1, CXCL12, PBSF, hIRH

Description:SDF-1 is small cytokine belonging to the chemokine family that is officially designated Chemokine (CX-C motif) ligand 12 (CXCL12). SDF-1 is strongly chemotactic for lymphocytes and works by its receptor CXCR4. The SDF-1+CXCR4 complex plays a significant role in the creation of metastases of neoplasms and as a response to cytostatic treatment. Identification of this complex may be a useful prognostic factor in the therapy of many types of carcinoma. Recombinant human SDF-1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Molecular Weight:10.8 kDa (93aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMKPVSLSYRCPCRFFESHVARANVKHLKILNTPNCALQIVARLKNNNRQVCIDPKL
KWIQEYLEKALNKRFKM

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.