

Datasheet for ABIN666769

CXCL12 Protein (AA 22-93) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	CXCL12
Protein Characteristics:	AA 22-93
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CXCL12 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	SDF-1 , 22-93aa, Human, His-tagged, Recombinant, E.coli
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	CXCL12
Alternative Name:	SDF-1 (CXCL12 Products)
Background:	SDF-1 is small cytokine belonging to the chemokine family that is officially designated Chemokine (C-X-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.

Target Details

Recombinant human SDF-1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. Synonyms: SDF-1, Stromal cell-derived factor 1, CXCL12, PBSF, hIRH, Stromal cell-derived factor 1 C-X-C motif chemokine 12, OTTHUMP00000019491, 12-O-tetradecanoylphorbol 13-acetate repressed protein 1, AI174028, Chemokine (C-X-C motif) ligand 12, Chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1), Intercrine reduced in hepatomas IRH, Chemokine CXC motif ligand 12, SDF1A, SDF1B, Pre-B cell growth-stimulating factor, SCYB12, SDF 1, Stromal cell-derived factor 1 delta, SDF-1a, SDF-1b, Stromal cell-derived factor 1 gamma, Stromal cell-derived factor 1a, Stromal cell-derived factor-1 alpha, Thymic lymphoma cell-stimulating factor, Tlsf, TLSF-a, TLSF-b, Tlsfa, Tlsfb, TPAR1. NCBI no.: NP_000600

Molecular Weight: 10.8 kDa (93aa), confirmed by MALDI-TOF.

Pathways: [Regulation of Cell Size](#), [CXCR4-mediated Signaling Events](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

Application Details

Restrictions: For Research Use only

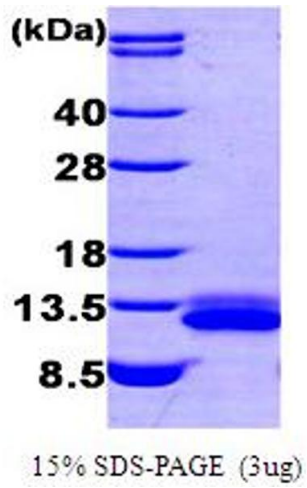
Handling

Format: Liquid

Concentration: 0.5 mg/ml (determined by Bradford assay)

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

Storage: 4 °C



SDS-PAGE

Image 1.