

Human CXCL12/SDF-1, Tag Free Protein

HA210900



Product name:	Human CXCL12/SDF-1, Tag Free
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human CXCL12/SDF-1 protein (P48061-2) (Lys 22-Lys 89) was expressed with tag free.

Background: The stromal cell derived factor 1 (SDF1, CXCL12) is a small, pro-inflammatory chemoattractant cytokine that regulates leukocyte trafficking through interactions with its cognate 7-transmembrane G protein-coupled receptors. The SDF1 receptor, CXCR4, also serves as a coreceptor for the entry of human immunodeficiency virus into target cells. SDF1 may regulate homing and maintenance of CXCR4-expressing stem or progenitor cells, including embryonic and many somatic stem cells. Many cancer cells express CXCR4, suggesting that SDF1 plays a role in cancer metastasis. Alternative splicing and differential processing during maturation produce a pair of SDF1 isoforms (SDF1 α and SDF1 β) that have different properties and biological activities. Additional isoforms of SDF1 have been reported.

Purity: >95% as determined by SDS-PAGE.

Endotoxin: Less than 1.0 EU per μ g by the LAL method.

Fragment region: CXCL12/SDF-1 (22-89)

Source: HEK293

Accession: P48061-2

Predicted molecular mass: 8.3 KD

Formulation: Lyophilized from a 0.2 μ m filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

Reconstitution: Reconstitute at 250 μ g/ml in sterile water.

Storage: Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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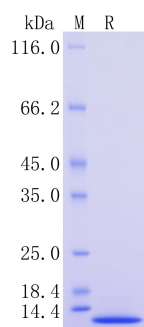


Fig1: Protein on SDS-PAGE under reducing (R) condition.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".
