

SDF-1alpha (CXCL12), human recombinant protein
SDF-1, CXCL12, Pre-B cell growth-stimulating factor, PBSF, hIRH, chemokine (C-X-C motif) ligand 12,
Catalog # PBV10262r

Specification

SDF-1alpha (CXCL12), human recombinant protein - Product info

Primary Accession [P48061](#)
Calculated MW **8.0 kDa** KDa

SDF-1alpha (CXCL12), human recombinant protein - Additional Info

Gene ID	6387
Gene Symbol	SDF1A
Other Names	
SDF-1, CXCL12, Pre-B cell growth-stimulating factor, PBSF, hIRH, chemokine (C-X-C motif) ligand 12, SDF1, SDF1A, TPAR1, SCYB12, SDF-1a, TLSF-a.	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥98%
Assay2&Purity2	HPLC; ≥98%
Recombinant	Yes
Results	20-80 ng/ml
Target/Specificity	
SDF-1 alpha	

Application Notes

Reconstitution in H₂O to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers or stored at 4°C for 1 week or -20°C for future use.

Format

Lyophilized protein

Storage

-20°C; Sterile filtered and lyophilized with no additives

SDF-1alpha (CXCL12), human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

SDF-1alpha (CXCL12), human recombinant protein - Images**SDF-1alpha (CXCL12), human recombinant protein - Background**

Human Stromal Cell-Derived Factor-1 α (SDF-1 α) is a recently discovered protein belonging to the α -chemokine (C-X-C) family of cytokines. Human SDF-1 α is an 8.0 kDa protein containing 68 amino acids residues with N-terminus His-tag