

SDF-1alpha (CXCL12), murine recombinant protein
SDF-1, CXCL12, Pre-B cell growth-stimulating factor, PBSF, hIRH, chemokine (C-X-C motif) ligand 12,
Catalog # PBV10263r

Specification

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

Primary Accession [P40224](#)
Calculated MW **7.9 kDa** KDa

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

Gene ID	20315
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	Mouse
Source	E. coli
Assay&Purity	SDS-PAGE; ≥99%
Assay2&Purity2	HPLC; ≥99%
Recombinant	Yes
Results	50-100 ng/ml
Sequence	KPVSLSYRCP CRFFESHIAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNK

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

Format

Lyophilized protein

Storage

-20°C; Lyophilized from LAL water.

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

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. Recombinant murine SDF-1 α is a 7.9 kDa protein containing 68 amino acids residues.