

SDF-1beta (CXCL12), murine recombinant protein
SDF-1, CXCL12, Pre-B cell growth-stimulating factor, PBSF, hIRH, chemokine (C-X-C motif) ligand 12,
Catalog # PBV10266r

Specification

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

Primary Accession [P40224](#)
Calculated MW **8.5 kDa** KDa

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

Gene ID	20315
Gene Symbol	SDF1B
Other Names	
SDF-1, CXCL12, Pre-B cell growth-stimulating factor, PBSF, hIRH, chemokine (C-X-C motif) ligand 12, SDF1, SDF1B, TPAR1, SCYB12, SDF-1b, TLSF-b.	
Gene Source	Mouse
Source	E. coli
Assay&Purity	SDS-PAGE; ≥98%
Assay2&Purity2	HPLC; ≥98%
Recombinant	Yes
Results	50-100 ng/ml
Target/Specificity	
SDF-1 beta	

Application Notes

Reconstitute in H₂O to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers

Format

Lyophilized protein

Storage

-20°C; Sterile filtered and lyophilized with no additives. The protein may appear as a haze or film, which is difficult to see at the bottom of the vial.

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

Stromal cell-derived factor-1 β is a stromal derived CXC chemokine. It signals through CXCR4 receptor. Recombinant murine SDF-1 β is an 8.5 kDa protein containing 72 amino acid residues.

SDF-1beta (CXCL12), murine recombinant protein - References

Tashiro K.,et al.Science 261:600-603(1993).
Jiang W.,et al.Exp. Cell Res. 215:284-293(1994).
Nagasawa T.,et al.Proc. Natl. Acad. Sci. U.S.A. 91:2305-2309(1994).
Nomura M.,et al.Submitted (DEC-1994) to the EMBL/GenBank/DDBJ databases.
Carninci P.,et al.Science 309:1559-1563(2005).