

## SDF-1beta/CXCL12, feline recombinant protein

SDF1

Catalog # PBV10264r

### **Specification**

## SDF-1beta/CXCL12, feline recombinant protein - Product info

Primary Accession O62657
Calculated MW 8.5 kDa KDa

## SDF-1beta/CXCL12, feline recombinant protein - Additional Info

Gene ID 493806 Gene Symbol SDF1

**Other Names** 

C-X-C motif chemokine 12, C-X-C motif chemokine 12, Intercrine reduced in hepatomas, Pre-B cell growth-stimulating factor

Gene Source Feline
Source E, coli

Assay&Purity SDS-PAGE; ≥97%

Assay2&Purity2 HPLC; Recombinant Yes

Results **10 - 75 ng/ml.** 

Sequence KPVSLSYRCP CRFFESHVAR ANVKHLKILN

TPNCALQIVA RLKNNNRQVC IDPKLKWIQE

YLEKALNKRF KM

Target/Specificity

SDF-1 beta

### **Application Notes**

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

### **Format**

Lyophilized protein

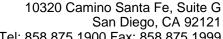
#### Storage

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

### SDF-1beta/CXCL12, feline recombinant protein - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot





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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## SDF-1beta/CXCL12, feline recombinant protein - Images

# SDF-1beta/CXCL12, feline recombinant protein - Background

Stromal Derived Growth Factor-1beta (SDF-1beta), also called CXCL12, is one of two splice variants made by a wide variety of cells when stimulated by inflammatory cytokines such as, TNF, IL-1 or LPS. SDF-1\( \beta \) signals through the G protein-couple receptor, CXCR4, to recruit activated leukocytes. Human SDF-1ß shares 100% identity to feline SDF-1ß. Recombinant feline SDF-1beta is a non-glycosylated protein, comprised of 72 amino acids, with a molecular weight of 8.5 kDa.

# SDF-1beta/CXCL12, feline recombinant protein - References

Nishimura Y., et al. Eur. J. Immunogenet. 25:303-305(1998).