

SDF-1beta / CXCL12, feline recombinant

CATALOG #:	4389-10	10 µg
	4389-50	50 µg
	4389-1000	1 mg
SOURCE:	<i>E. coli</i>	
PURITY:	≥ 97% by SDS-PAGE Endotoxin level: Measured by kinetic LAL analysis and is typically ≤ 0.1ng/mL or ≤ 1 EU/µg protein.	
MOL. WEIGHT:	8.5 kDa	
FORM:	Sterile-filtered white lyophilized (freeze-dried) powder with no additives.	

RECONSTITUTION:

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.

STORAGE CONDITIONS:

Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

DESCRIPTION:

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-1β signals through the G protein-couple receptor, CXCR4, to recruit activated leukocytes. Human SDF-1β shares 100% identity to feline SDF-1β. Recombinant feline SDF-1beta is a non-glycosylated protein, comprised of 72 amino acids, with a molecular weight of 8.5 kDa.

BIOLOGICAL ACTIVITY: The activity is determined by its ability to chemoattract human T cells at 10 - 75 ng/ml.

AA Sequence:

KPVLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE
YLEKALNKRF KM

RELATED PRODUCTS:

- 4387-10 SDF-1alpha (CXCL12), human recombinant
- 4387-1000 SDF-1alpha (CXCL12), human recombinant
- 4387-50 SDF-1alpha (CXCL12), human recombinant
- 4388-10 SDF-1alpha (CXCL12), murine recombinant
- 4388-1000 SDF-1alpha (CXCL12), murine recombinant
- 4388-50 SDF-1alpha (CXCL12), murine recombinant
- 5387-100 SDF-1alpha Antibody
- 4390-10 SDF-1beta (CXCL12), human recombinant
- 4390-100 SDF-1beta (CXCL12), human recombinant
- 4390-1000 SDF-1beta (CXCL12), human recombinant
- 4391-10 SDF-1beta (CXCL12), murine recombinant
- 4391-1000 SDF-1beta (CXCL12), murine recombinant
- 4391-50 SDF-1beta (CXCL12), murine recombinant
- 5390-100 SDF-1beta Antibody
- 5390A-100 SDF-1beta Antibody
- 5393-100 SDF-1beta Antibody
- 5390BP-50 SDF-1beta Blocking Peptide

FOR RESEARCH USE ONLY! Not to be used on humans.