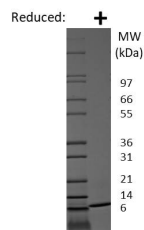


Recombinant Human/Feline SDF-1 beta / CXCL12

Catalog No.	CRH328A CRH328B CRH328C	Quantity:	2 µg 100 µg 1 mg
Alternate Names:	CXCL12, PBSF		
Description:	Stromal cell-derived factor-1 beta (SDF-1 β), also called CXCL12b, is one of two SDF-1 splice variants made by a wide variety of cells upon stimulation by inflammatory cytokines such as TNF, IL-1, and LPS. SDF-1 β signals through the G protein-coupled receptor CXCR4 to recruit activated leukocytes.		
Protein Accession No:	P48061		
Source:	<i>E. coli</i>		
Molecular Weight:	Monomer, 8.5 kDa (72 aa)		
Formulation:	Lyophilized from a sterile-filtered solution containing 0.1% Trifluoroacetic Acid (TFA)		
Purity:	≥95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤1 EU/µg by kinetic LAL analysis		
Biological Activity:	Activity determined by primary human T cell chemotaxis assay, however; no acceptance criteria established		
Amino Acid Sequence:	KPVSLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNKRF KM		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipetting the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for reconstitution. A small amount of precipitate may be seen.		
Storage & Stability:	Upon receipt, store at -20 °C for up to 1 year. Upon reconstitution, the preparation is stable for up to one month at 2-8 °C. For long term storage reconstitute in working aliquots containing 0.1% BSA and store at -80 °C. Avoid repeated freeze-thaw cycles.		





Human / Feline SDF-1 beta (CXCL12) Gel

Figure: 1 ug run under (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human / Feline SDF-1 beta (CXCL12) is predicted to have a MW of 8.5 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.