

Recombinant Human SDF-1 β (CXCL12)

CATALOG #:	4390-10	10 μ g
	4390-100	100 μ g
	4390-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per μ g.	
MOL. WEIGHT:	8.5 kDa	
FORM:	Sterile filtered and lyophilized with no additives	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or – 20°C for future use.

STORAGE CONDITIONS:

The lyophilized protein should be stored desiccated below 0°C. Reconstituted human SDF-1 β should be stored in working aliquots at -20°C.

DESCRIPTION:

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

BIOLOGICAL ACTIVITY:

Determined by its ability to chemoattract human peripheral T cells activated with PHA and IL-2 using a concentration range of 20-80 ng/ml.

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