

Datasheet for ABIN2469055

SDF1 beta Protein

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Overview

Quantity:	0.002 mg
Target:	SDF1 beta (SDF1b)
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	KPVLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKSNNRQVC IDPKLKWIQE YLDKALNKRL KM
Characteristics:	Biological activity was determined by its ability to chemoattract human monocytes using a concentration range of 100.0 - 200.0 ng/mL.
Purity:	< 95 % by SDS-PAGE gel and HPLC analyses.
Endotoxin Level:	Endotoxin level is less than 0.1 ng per µg (1 EU/µg).

Target Details

Target:	SDF1 beta (SDF1b)
Alternative Name:	SDF-1 beta (SDF1b Products)
Background:	SDF-1α and beta are stromal derived CXC chemokines, and signal through the CXCR4 receptor. SDF-1α and beta chemoattract B and T cells, and have been shown to induce migration of CD34+ stem cells. Additionally, the SDF-1 proteins exert HIV suppressive activity in cells

Target Details

	expressing the CXCR4 receptor. Recombinant rat SDF-1beta is an 8.4 kDa protein containing 72 amino acid residues.
Gene ID:	24772
NCBI Accession:	NP_001029054
OMIM:	76496504
UniProt:	Q9QZD1

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Handling Advice:	As with any protein, exposing SDF-1 beta recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Storage:	-20 °C
Storage Comment:	The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted SDF-1 beta is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C.
Expiry Date:	24 months