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Datasheet for ABIN2469055 SDF1 beta Protein

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

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