

Recombinant Mouse SDF-1beta (Stromal Cell-Derived Factor-1 beta)








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

Rev. 1.00

Catalog Number:	PMC1364
Quantity:	10 µg
Lot Number:	See product label.
Molecular Weight:	8.5 kDa, 72 amino acid residues.
Purity:	>99% by SDS-PAGE and HPLC analyses.
Biological Activity:	The biological activity was determined measuring dose-dependent chemotaxis with human peripheral blood monocytes. A concentration range of 50–100 ng/mL produced significant chemotaxis. SDF-1 is a CXC chemokine that binds to the chemokine receptor CXCR4. SDF-1 is widely expressed by cells of most tissues, including bone marrow stromal cells. SDF-1 is a chemoattractant for mononuclear cells and CD34+ hematopoietic progenitor cells.
Formulation:	Lyophilized, carrier free. Sterile filtered prior to lyophilization.
Endotoxin:	<0.1 ng/µg
Production:	Produced in <i>E. coli</i> and purified by sequential chromatography.
Reconstitution Recommendation:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile, distilled water to a concentration of 0.1–1.0 mg/mL. Further dilutions should be made in aqueous buffers supplemented with carrier protein, such as 0.1–1.0% BSA.
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.
Storage:	This lyophilized preparation is stable at 2°C to 8°C, but should be kept at –20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2°C to 8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at –20°C. Avoid repeated freeze/thaw cycles.
Expiration Date:	Expires one year from date of receipt when stored as instructed.

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description
	Catalog Number
	Research Use Only
	Use by
	Manufacturer
	Without, does not contain
	Protect from light
	Directs the user to consult instructions for use (IFU), accompanying the product.

Symbol	Description
	Batch code
	In vitro diagnostic medical device
	Temperature limitation
	European Community authorized representative
	With, contains
	Consult accompanying documents

Limited Use Label License: Research Use Only

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For Research Use Only. Caution: Not for human or animal therapeutic or diagnostic use.

Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288

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