

Recombinant Murine Stromal-Cell Derived Factor-1 beta/CXCL12 β

Catalog No: #AP60339

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Package Size: #AP60339-1 10ug #AP60339-2 100ug #AP60339-3 500ug

Description

Product Name	Recombinant Murine Stromal-Cell Derived Factor-1 beta/CXCL12 β
Host Species	Escherichia coli.
Purification	> 97 % by SDS-PAGE and HPLC analyses.
Other Names	TPAR1, PBSF, TLSF
Uniprot	P40224
GeneID	20315
Calculated MW	Approximately 8.5 kDa, a single non-glycosylated polypeptide chain containing 72 amino acids.
Target Sequence	KPVLSYRCP CRFFESHIAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNKRL KM
Formulation	Lyophilized from a 0.2 μ m filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Background

CXCL12 also known as SDF-1 is belonging to the CXC chemokine family. Murine CXCL12 is expressed as two isoforms that differ only in the C-terminal tail. Both SDF-1 isoforms undergo proteolytic processing of the first two N-terminal amino acids. In all SDF-1 isoforms, SDF-1 β is the canonical sequence. It has the complete amino acids in the C-terminal tail. On the cell surface, the receptor for this chemokine is CXCR4 and syndecan4. CXCL12 is strongly chemotactic for T-lymphocytes, monocytes, but not neutrophils. SDF-1 is highly conserved between species, murine CXCL12 β shares approximately 92 % amino acid sequence identity with human CXCL12 β .

Note: This product is for in vitro research use only