

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Recombinant Human CXCL12 (72AA) EBT-EPT016

Article Name	Recombinant Human CXCL12 (72AA)
Biozol Catalog Number	EBT-EPT016
Supplier Catalog Number	EPT016
Alternative Catalog Number	EBT-EPT016-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human C-X-C Motif Chemokine 12 is produced by our E.coli expression system and the target gene encoding Lys22-Met93 is expressed....
Molecular Weight	Molecular weight: 8.53 KDa. Apparent molecular weight: 8 KDa, reducing conditions
UniProt	P48061
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Background: Stromal Cell-Derived Factor-1 (SDF-1) is a chemokine member of the intercrine family. SDF1 is expressed as five isoforms that differ only in the C terminal tail. SDF1alpha and SDF1beta are identical except for the four residues present in the C-terminus of SDF1beta but absent from SDF1alpha. SDF1 isoforms interact with CXCR4 and CXCR7 receptors on the cell surface, and can also bind syndecan4. SDF1 is known to influence lymphopoiesis, regulate patterning and cell number of neural progenitors, and promote angiogenesis. It also enhances the survival of myeloid progenitor cells
-------------------	--