

Recombinant Human BCA-1/CXCL13

Catalog No: #AP60291



Package Size: #AP60291-1 5ug #AP60291-2 100ug #AP60291-3 500ug

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Description

Product Name	Recombinant Human BCA-1/CXCL13
Host Species	Escherichia coli.
Purification	> 97 % by SDS-PAGE and HPLC analyses.
Other Names	Angie, B lymphocyte chemoattractant, CXC chemokine BLC, Small-inducible cytokine B13
Uniprot	O43927
GeneID	10563
Calculated MW	Approximately 10.3 kDa, a single non-glycosylated polypeptide chain containing 87 amino acids.
Target Sequence	VLEVYYTSLR CRCVQESSVF IPRRFIDRIQ ILPRGNGCPR KEIIVWKKNK SIVCVDPQAE WIQRMMEVLR KRSSSTLPVP VFKRKIP
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 100 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

C-X-C motif chemokine 13 encoded by the CXCL13 gene located on human chromosome 4 is constitutively expressed in secondary lymphoid organs. It is also known as B lymphocyte chemoattractant (BLC). As its name suggests, CXCL13 is selectively chemotactic for B cells belonging to both the B-1 and B-2 subsets, and elicits its effects by interacting with chemokine receptor CXCR5. It and its receptor CXCR5 control the organization of B cells within follicles of lymphoid tissues. Recombinant human CXCL13 is a single non-glycosylated polypeptide chain containing 87 amino acids and mature human BCA-1 shares 64 % amino acid sequence similarity with the murine protein and 23% amino acid sequence identity with other known CXC chemokines.

Note: This product is for in vitro research use only