



Recombinant Human BCA-1

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-003S
Size:	5 µg
Lot. No.:	According to product label

Sequence

VLEVYYTSLR CRCVQESSVF IPRRFIDRIQ ILPRGNGCPR
KEIIVWKKNK SIVCVDPQAE WIQRMMEVLR KRSSSTLPVP VFKRKIP

Database References

Protein RefSeq:	NP_006410.1
Uniprot ID:	O43927
mRNA RefSeq:	NM_006419.2

Scientific Background

Gene-ID (NCBI):	10563
Synonyms:	CXCL13; BLC; BCA1; ANGIE; BCA-1; BLR1L; ANGIE2; SCYB13

BCA-1/BLC, a CXC chemokine, is expressed in the liver, spleen, lymph nodes, appendix and stomach. It exerts its activities through its only receptor CXCR5. BCA-1/BLC is a potent chemoattractant for B lymphocytes and induces weak chemotactic response in T cells and macrophages. It manifests no activity on neutrophils and monocytes. Recombinant Human BCA-1 is a 10.3 kDa protein containing 87 amino acid residues including the four highly conserved cysteine residues present in CXC chemokines.

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	87
MW:	10.3 kDa

Biological Activity: The biological activity of human BCA-1 was determined by chemotaxis assay using human B cells. Significant chemotaxis was achieved at a concentration range of 1.0-10 ng/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!