



## Recombinant Mouse BCA-1

20150227BB



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>M10-051S</b>
Size:	5 µg
Lot. No.:	According to product label

### Sequence

VLEVYYTSLR CRCVQESSVF IPRRFIDRIQ ILPRGNGCPR  
KEIIVWKKNK SIVCVDPQAE WIQRMMEVLR KRSSSTLPVP VFKRKIP

### Database References

<b>Protein RefSeq:</b>	NP_061354.1
<b>Uniprot ID:</b>	O55038
<b>mRNA RefSeq:</b>	NM_018866.2

## Scientific Background

<b>Gene-ID (NCBI):</b>	55985
<b>Synonyms:</b>	Cxcl13; BLC; Angie; BCA-1; BLR1L; ANGIE2; Scyb13; 4631412M08Rik

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 murine BLC is a 9.8 kDa protein containing 88 amino acid residues including the four highly conserved cysteine residues present in CXC chemokines.

## Product Specifications

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

**Biological Activity:** Determined by its ability to chemoattract human B cells using a concentration range of 1.0-10.0 ng/ml.



**AVOID REPEATED FREEZE AND THAW CYCLES!**