BCA-1/BLC Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: B cell Attracting Chemokine-1, CXCL13, BLC (mouse), BLR1 Ligand

Cat. No.:

RBG10072005	(5 µg)
RBG10072020	(20 µg)
RBG10072100	(100 µg)

Description

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.

Research topic

Chemokines, Cytokines and chemokines and related molecules, Immune Response, Infection and Inflammation

Amino Acid Sequence

VLEVYYTSLR CRCVQESSVF IPRRFIDRIQ ILPRGNGCPR KEIIVWKKNK SIVCVDPQAE WIQRMMEVLR KRSSSTLPVP VFKRKIP

Source

E. coli

Purity

98%

Biological Activity

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

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C

Storage, Stability/Shelf Life

-20°C

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