

BCA1 active protein

BCA1 protein

CATALOG # AAA75198	HOST E.coli
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PRODUCT SYNONYMS

BCA1; BCA1 protein; CXCL13 protein; BLR1 Ligand protein; B cell Attracting Chemokine-1 protein; BCA-1 protein; BCA protein; BCA1 active protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 98% pure
Form/Format	Sterile filtered through a 0.2 micron filter. Lyophilized with no additives. Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0mg/ml. Do not vortex.
Concentration	20ug lyophilized (varies by lot)
Sequence	Region of BC A1 protein corresponds to amino acids VLEVYY TSLRCRCVQE SSVFIPRRFI DRIQILPRGN GCP RKEIIVW KKNKSIVCVD PQA EW IQRMM EVLRKRSSST LPVPVFKRKI P.
Sequence Length	347
Protein Type	Recombinant
Biological Significance	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.
Bioactivity	Determined by its ability to chemoattract human B cells using a concentration range of 1.0-10.0 ng/ml.
Endotoxin Levels	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Preparation and Storage	Upon receipt product is stable while lyophilized at room temperature for 1 month, 4°C for 6 months and -20°C for 2 years. Once reconstituted, can be stored at 4°C for 1 week. Stable for 3 months when further diluted in a buffer with a carrier protein and stored in aliquots at -20°C.

ADDITIONAL INFORMATION

Related Product Information for BCA1 active protein	Purified recombinant Human BCA1 protein
Product Categories/Family for BCA1 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	38503395
NCBI GeneID	821134
Molecular Weight	10.3 kDa
NCBI Official Full Name	Beta carbonic anhydrase 1, chloroplastic
NCBI Official Symbol	CA1

NCBI Official Synonym Symbols	ARABIDOPSIS THALIANA SALICYLIC ACID-BINDING PROTEIN 3; ATBCA1; ATSABP3; BETA CARBONIC ANHYDRASE 1; CA1; carbonic anhydrase 1; F4P13.5; F4P13_5; SABP3; SALICYLIC ACID-BINDING PROTEIN 3
NCBI Protein Information	carbonic anhydrase 1
UniProt Protein Name	Beta carbonic anhydrase 1, chloroplastic
UniProt Gene Name	BCA1
UniProt Synonym Gene Names	AtbCA1; AtbetaCA1; AtSABP3
UniProt Entry Name	BCA1_ARATH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/bca1/75198>