

Recombinant human BLC/BCA-1/CXCL13 protein

Catalog Number: ATGP2437

PRODUCT INFORMATION

Expression system

E.coli

Domain

23-109aa

UniProt No.

O43927

NCBI Accession No.

NP_006410

Alternative Names

ANGIE, ANGIE2, B cell-attracting chemokine 1, B lymphocyte chemoattractant, BCA1, BCA-1, BLC, BLR1L, Chemokine (C-X-C motif) ligand 13, CXC chemokine BLC, C-X-C motif chemokine 13 precursor, SCYB13, Small-inducible cytokine B13

PRODUCT SPECIFICATION

Molecular Weight

12.7 kDa (110aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing , 10% glycerol, 0.4M urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

B lymphocyte chemoattractant, independently cloned and named Angie, is a CXC chemokine strongly expressed in the follicles of the spleen, lymph nodes, and Peyer's patches. It preferentially promotes the migration of B lymphocytes (compared to T cells and macrophages), apparently by stimulating calcium influx into, and chemotaxis of, cells expressing Burkitt's lymphoma receptor 1 (BLR-1). It may therefore function in the homing

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of B lymphocytes to follicles. Recombinant human CXCL13 protein, fused to His-tag at N-terminus, was expressed in *E. coli*

Amino acid Sequence

MGSSHHHHHHH SGLVPRGSH MGSVLEVYYT SLRCRCVQES SVFIPRRFID RIQILPRGNG CPRKEIIVWK KNKSIVCVDP
QAEWIQRMME VLRKRSSSTL PVPVFKRKIP

General References

Gunn M.D., Ngo V.N.. et al. (1998). *Nature* 391:799-803

DATA

SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

