



## Synonym

C-X-C motif chemokine 13, Angie, B cell-attracting chemokine 1, BCA-1, B lymphocyte chemoattractant, CXC chemokine BLC, Small-inducible cytokine B13, CXCL13, BCA1, BLC, SCYB13

## Source

Human CXCL13 Protein, His Tag (CX3-H1249) is expressed from *E. coli* cells.

It contains AA Val 23 - Pro 109 (Accession # [O43927-1](#)).

Predicted N-terminus: Met

## Molecular Characterization

**Poly-his** CXCL13(Val 23 - Pro 109)  
O43927-1

This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 12.2 kDa. The protein migrates as 12-15 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE).

## Endotoxin

Less than 1.0 EU per  $\mu$ g by the LAL method / rFC method.

## Purity

>90% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

## Storage

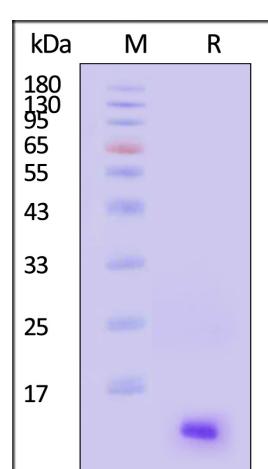
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## SDS-PAGE



Human CXCL13 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

## Background

CXCL13, originally known as BLC (B-lymphocyte chemoattractant) or BCA-1 (B cell-attracting chemokine 1), is a homeostatic chemokine. It is constitutively secreted by stromal cells in B-cell areas of secondary lymphoid tissues (follicles), such as spleen, lymph nodes, tonsils, and Peyer's patches. CXCL13 plays a key role in orchestrating cell migration within spatially distinct regions of the secondary lymphoid organs. It strongly attracts B lymphocytes while promoting migration of

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## Human CXCL13 / BCA-1 Protein, His Tag

Catalog # CX3-H1249



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only small numbers of T cells and macrophages. CXCL13 exerts its functions through its receptor CXCR5, which initially, was isolated from Burkitt Lymphoma and therefore designated as Burkitt's lymphoma receptor 1 (BLR1).

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