

ARG70431 Human CXCL13 / BCA1 recombinant protein (Active) (His-tagged, N-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (N-ter) Active Human CXCL13 / BCA1 recombinant protein
Tested Application	SDS-PAGE
Target Name	CXCL13 / BCA1
Species	Human
A.A. Sequence	Val23 - Arg94
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to chemoattract BaF3 cells transfected with human CXCR5. The ED50 for this effect is < 20 ng/mL.
Alternate Names	CXCL13; C-X-C Motif Chemokine Ligand 13; BCA-1; BLC; ANGIE2; SCYB13; BLR1L; ANGIE; Small Inducible Cytokine B Subfamily (Cys-X-Cys Motif), Member 13 (B-Cell Chemoattractant); B Cell-Attracting Chemokine; B Lymphocyte Chemoattractant

Properties

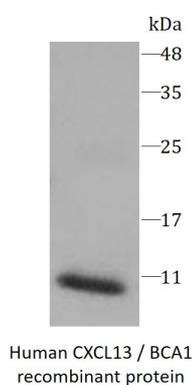
Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CXCL13
Gene Full Name	C-X-C Motif Chemokine Ligand 13
Background	B lymphocyte chemoattractant, independently cloned and named Angie, is an antimicrobial peptide and 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 of B lymphocytes to follicles.

Function	Chemotactic for B-lymphocytes but not for T-lymphocytes, monocytes and neutrophils. Does not induce calcium release in B-lymphocytes. Binds to BLR1/CXCR5.
PTM	Disulfide bond
Cellular Localization	Secreted

Images



ARG70431 Human CXCL13 / BCA1 recombinant protein (Active) (His-tagged, N-ter)SDS-PAGE image

SDS-PAGE analysis of ARG70431 Human CXCL13 / BCA1 recombinant protein (Active) (His-tagged, N-ter)