

Bioactive

CXCL13 (Human) Recombinant Protein

Catalog # P3589

Size 20 ug

Specification

Product Description	Human CXCL13 (Q53X90, Val 22 - Phe 109) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	Val 22 - Phe 109
Host	Escherichia coli
Theoretical MW (kDa)	10
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	Determined by the ability to chemoattract human T cells using a concentration range of 2.0-10.0 ng/mL.
Storage Buffer	Lyophilized from 20 mM PB, 100 mM NaCl, pH 7.5
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — CXCL13

Entrez GeneID [10563](#)

Protein Accession# [Q53X90](#)

Gene Name CXCL13

Gene Alias ANGIE, ANGIE2, BCA-1, BCA1, BLC, BLR1L, SCYB13

Gene Description chemokine (C-X-C motif) ligand 13

Omim ID [605149](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 of B lymphocytes to follicles. [provided by RefSeq]

Other Designations B-cell chemoattractant|B-cell-attracting chemokine 1|B-cell-homing chemokine (ligand for Burkitt's lymphoma receptor-1)|B-lymphocyte chemoattractant|chemokine (C-X-C motif) ligand 13 (B-cell chemoattractant)|small inducible cytokine B subfamily (Cys-X-Cys

Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Infant](#)
- [Respiratory Syncytial Virus Infections](#)