

Recombinant human CXCL13, His-tagged

Cat. No. CXCL13-2437H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CXCL13 protein, fused to His-tag at N-terminus, was expressed in E.coli
Species	Human
Source	E.coli
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 of B lymphocytes to follicles.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Molecular Mass	12.7kDa (110aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSVLEVYYT SLRCRCVQES SVFIPRRFID RIQILPRGNG CPRKEIIVWK KNKSIVCVDP QAEWIQRMMEVLRKRSSSTL PVPVFKRKIP
Purity	>85 % by SDS - PAGE
Applications	SDS-PAGE

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Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	CXCL13 chemokine (C-X-C motif) ligand 13 [Homo sapiens]
Official Symbol	CXCL13
Synonyms	CXCL13; chemokine (C-X-C motif) ligand 13; SCYB13, small inducible cytokine B subfamily (Cys X Cys motif), member 13 (B cell chemoattractant); C-X-C motif chemokine 13; ANGIE; ANGIE2; B cell chemoattractant; BCA 1; BLC; BLR1L; CXC chemokine BLC; B-cell chemoattractant; B-lymphocyte chemoattractant; b lymphocyte chemoattractant; small-inducible cytokine B13; B-cell-attracting chemokine 1; b cell-attracting chemokine 1; chemokine (C-X-C motif) ligand 13 (B-cell chemoattractant); B-cell-homing chemokine (ligand for Burkitts lymphoma receptor-1); small inducible cytokine B subfamily (Cys-X-Cys motif), member 13 (B-cell chemoattractant); BCA1; BCA-1; SCYB13;
Gene ID	10563
mRNA Refseq	NM_006419
Protein Refseq	NP_006410
MIM	605149
UniProt ID	O43927

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Chromosome Location	4q21
Pathway	CXCR3-mediated signaling events, organism-specific biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;
Function	CCR10 chemokine receptor binding; CXCR3 chemokine receptor binding; CXCR5 chemokine receptor binding; chemokine activity; fibroblast growth factor binding; heparin binding; protein heterodimerization activity; receptor agonist activity;