

# Active Recombinant Human Chemokine (C-X-C motif) Ligand 13, HIgG1 Fc-tagged

Cat. No. CXCL13-123H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	The extracellular domain of human CXCL13 (AAH12589.1)(Val23-Arg94) is fused to the N-terminus of the Fc region of human IgG1 was expressed in CHO cell.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	23-94 a.a.
<b>Description</b>	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.
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to chemoattract BaF3 mouse pro B cells.
<b>Molecular Mass</b>	35KDa (monomer)
<b>AA Sequence</b>	(Val23-Arg94

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Endotoxin</b>	<0.06 eu/μg="" as="" determined="" by="" la="" test="">
<b>Purity</b>	>98%, by SDS-PAGE under reducing conditions.
<b>Stability</b>	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
<b>Reconstitution</b>	Reconstitute at 100μg/ml in sterile PBS.
<b>Warning</b>	Avoid freeze/thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	CXCL13 chemokine (C-X-C motif) ligand 13 [ Homo sapiens ]
<b>Official Symbol</b>	CXCL13
<b>Synonyms</b>	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;
<b>Gene ID</b>	10563
<b>mRNA Refseq</b>	NM_006419

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<b>Protein Refseq</b>	NP_006410
<b>MIM</b>	605149
<b>UniProt ID</b>	O43927
<b>Chromosome Location</b>	4q21
<b>Pathway</b>	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;
<b>Function</b>	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;

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