

Product datasheet for **SC321077**

BCA1 (CXCL13) (NM_006419) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BCA1 (CXCL13) (NM_006419) Human Untagged Clone
Tag:	Tag Free
Symbol:	BCA1
Synonyms:	ANGIE; ANGIE2; BCA-1; BCA1; BLC; BLR1L; SCYB13
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>SC321077 representing NM_006419. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAAGTTCATCTCGACATCTCTGCTTCTCATGCTGCTGGTCAGCAGCCTCTCTCCAGTCCAAGGTGTT
CTGGAGGTCTATTACACAAGCTTGAGGTGTAGATGTGTCCAAGAGAGCTCAGTCTTTATCCCTAGACGC
TTCATTGATCGAATTCAAATCTTGCCCCGTGGGAATGGTTGTCCAAGAAAAGAAATCATAGTCTGGAAG
AAGAACAAGTCAATTGTGTGTGGACCCTCAAGCTGAATGGATACAAAGAATGATGGAAGTATTGAGA
AAAAGAAGTTCCTCAACTCTACCAGTTCAGTGTTAAGAGAAAGATTCCCTGA

Restriction Sites:	NotI-NotI
ACCN:	NM_006419
Insert Size:	330 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_006419.2](#)

RefSeq Size: 1219 bp

RefSeq ORF: 330 bp

Locus ID: 10563

UniProt ID: [O43927](#)

Cytogenetics: 4q21.1

Domains: IL8

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction

MW: 12.7 kDa

Gene Summary: 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. [provided by RefSeq, Oct 2014]