

## Product datasheet for **RG203102**

### **BCA1 (CXCL13) (NM\_006419) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BCA1 (CXCL13) (NM\_006419) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** BCA1  
**Synonyms:** ANGIE; ANGIE2; BCA-1; BCA1; BLC; BLR1L; SCYB13  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG203102 representing NM\_006419  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGTTCATCTCGACATCTCTGCTTCTCATGCTGCTGGTCAGCAGCCTCTCTCCAGTCCAAGGTGTTT  
TGGAGGCTATTACACAAGCTTGAGGTGTAGATGTGTCCAAGAGAGCTCAGTCTTATCCCTAGACGCTT  
CATTGATCGAATTCAAATCTGCCCGTGGGAATGGTTGTCCAAGAAAAGAAATCATAGTCTGGAAGAAG  
AACAAAGTCAATTGTGTGTGGACCCTCAAGCTGAATGGATACAAAGAATGATGGAAGTATTGAGAAAAA  
GAAGTTCTCAACTCTACCAGTTCAGTGTTAAGAGAAAAGATTCCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG203102 representing NM\_006419  
**Red**=Cloning site **Green**=Tags(s)  
MKFISTSLLLMLLVSSLSPVQGVLEVYYTSLRRCVQESSVFIIPRRFIDRIQILPRGNGCPRKEIIVWKK  
NKSIVCVDPQAEWIQRMMEVLRKRSSSTLPVPVFKRKIP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_006419

**ORF Size:** 327 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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).

**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.

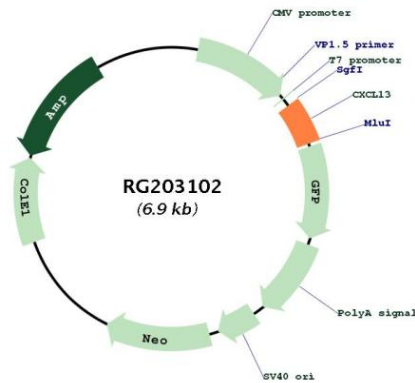
**RefSeq:** [NM\\_006419.2](#), [NP\\_006410.1](#)

**RefSeq Size:** 1216 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  
**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]

### Product images:



Circular map for RG203102