

## Product datasheet for **MC203449**

### **Bcar1 (NM\_009954) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bcar1 (NM_009954) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bcar1
Synonyms:	A1385681; Cas; Crkas
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC057578  
 CAGCGGAGAACGCCGGGACCCCGCGCGGGGGCTGTGAGCGGCGCGGGCCACCGAGCCCGAGCTAGCCC  
 GCGCCGCTGCTGCAGGGCTCCGGGGGGCGGGCCAAAGATGACCGTGCCGAACGTGCTGGCCAAAGCCC  
 TCTATGACAAATGTTGCTGAATCCCCGGATGAGCTCTCCTTCCGAAAGGGTGACATCATGACAGTGCATG  
 GCGGGACACTCAGGGCTGGATGGCTGGTGGCTGCTACTGCATGGGCGCCAGGGCATTGTGCCTGGT  
 AACCGCTCAAGATTCTGGTTGGCATGTATGATAAGAAGCCAGTAGGACCTGGACCAGGCCACCTGCCA  
 CCCCACCCAGCCCCAGCCAGCCTTCCCAGGGCGTCCATGCTCCGGTACCTCCAGCTTCCCAGTACAG  
 TCCCATGCTCCCCACTGGGTACCAGCCCCAGTCTGACAATGTGTACCTGGTACCCACTCCCAGCAAGACT  
 CAGCAAGGTCTCTACCAAGCCCCGGGCCAACCCACAGTTCAGTACCCCCAGCCAAACAGACGTCCA  
 CATTCTCCAAGCAAAACCTCATCACTCATTTCAGCCAGCCAGCCACGGACCTTTACCAGGTGCCCCAGG  
 GCCTGGAAGTCCAGCCAGGACATTTATCAGGTGCCACCTTCCGCTGGCATAAGGGCATGACATCTACCAA  
 GTTCTCCATCTCTGGACACTCGCGGATGGGAGGGAACAAAGCCACCGGCAAAGTGGTGGTTCTACGC  
 GAGTGGGACAGGGCTATGTGTATGAGGCCGCTCAGACGGAGCAGGATGAGTACGACACCCACGCCACCT  
 GCTGGCCCCAGTCCCAGGACATCTATGATGTGCCCTGTTTCGAGGACTGCTTCTAACCAAGTATGGC  
 CAGGAGGTATATGACACGCCCCCTATGGCAGTCAAAGGCCCAATGGCCGAGACCCATTGTTGGATGTGT  
 ATGACGTGCCCCCTAGTGTGGAGAAAGGCTGCTCTCGTCCAGCCATCATTGGTGTATGATGTTCTCTC  
 TTCTGTGAGCAAGGATGTGCCCGATGGCCCACTGCTGCGTGAGGAAACCTATGATGTACCTCCTGCCTTC  
 GCCAAGCCCAAGCCCTTTGATCCCACCCGACCCCACTGATCCTTGTGCGCCTCCTCCCGACTCCCAG  
 CAGCTGAGGATGTATATGATGTGCCCCCTGCTCCCGACCTCTATGATGTGCCCCCTGGTTTGGCGGG  
 GCCTGGCCCTGGAACACTGTATGACGTGCCTCGGAGCGCGTGCCTCCTGAGGTGGCTGATGGGAGT  
 GTAGTTGACGATGGTGTGTATGCTGTGCCCCACCAGCCGAGCGAGAGGCCCAACGGATGGCAAGCGCC  
 TGTCCGCTCTAGCACGGGACGACGCGCAGCAACCGCAATCGGCATCTTCTTGGAGGTGGTGGCCAGG  
 CCGGGACCCCTGGAACGGAGGTTGCTGTGGAGTCCCTGGCTCGGCTGCAGCAAGGCGTGAGCACCACC  
 GTAGCCCACTTCTGGACCTGGTGGGAGTGCCAGTGGGCTGGGGCTGGCGTGGTACCTCTGAGCCTC  
 AGGAGCCTCCCGCACAGGACCTGAAAGCCGCAAGTGGCGGCAATTACGGGCGAGTCCATGAGCTCCTGGA  
 GTTCGCCCCGGGAGCTGTGAGCAATGCCACCCACACTTCTGACCGCACCTTGCATGCCAAGCTTAGCCGG  
 CAACTACAGAAGATGGAGGATGTGTACCAGACACTGGTGGTCCACGGTACAGTCCCTTGGAGTGGCCGAG  
 GAAGTCCAGGATCACTCCGGAAGACCTGGACCGCTGGTGGCCTGCTCTCGGGTGTGCCCGAGGATGC  
 CAAGCAGTAGCTTCTTTTGCATGGCAATGCCTCGCTGCTTTTCAGACGGACCAAGCCCTGGCCCA  
 GGGCCTGAGGGAAGCAGTCCCTGCACCCAAACCCCACTGATAAAGCCAGTAGCATCCAGTACGCCCTC  
 TCCCTCACTCAAAGTTCACCTCCCAGGACTCTCCAGACGGCCAGTATGAGAACAGTGAAGGGGTTG  
 GATGGAGGACTATGACTACGTCCATCTGCAGGGGAAGGAGGAATTTGAGAAGACCCAGAAGGAGCTGCTA  
 GAAAGGGGTAACATCATGCGGCAGGGAAGGGCAACTGGAGTTCAGCAGCTGAAAACAGTTTGGAGCGAC  
 TGGAGCAGGAGGTGTCTCGTCCAATAGACCACGACCTGGCCAACCTGGACACCAGCCAGCCCTGGTGGC  
 GGGCCGGACAGGGGGCTGGGGCCTTACAGCCGACAGTGTCTGCTTCTACTTGGAGCAGTGGCAGGGCC  
 AACCTGACCACACTGACAGATGCAGTGGACGCCTTCTTCACTGCGGTGGCCACCAACCAACCAACCAAGA  
 TCTTTGTGGCACACAGCAAGTTTGTCTTCTCAGTGCCCAACAGCTTGTGTTTATGGGGACACACTGTC  
 ACGGCAGGCAAAGGCAGCTGATGTCCGAAGCCAAAGTACCCACTACAGCAATCTGCTGTGTGACCTCCTG  
 CGTGGCATTGTGGCCACCACCAAGGCTGCTGCCCTGCAGTACCCATCCCCTTCCGCTGCCAGGACATGG  
 TGGACAGGGTCAAGGAGCTAGGCCACAGCACTCAGCAGTTCGCGCCGCTCCTGGGCCAGTAGCTGCTGC  
 CTGAGAGCAGAGGACCAGGATGTGAGGCTGGGGATGGGCAGCGATGCTCTGAGCTACCCAGCATTATTC  
 CTCTTGAACCGGAGCTCCTGCAGGTTTGGGGACAGGTAACCCAGCTCTGCCTTGGGCCTGGTGCCTC  
 AACTGTCCAGGGATTTGTACATATTTATATCAAGGCAGGATGTGGGATGCCTCCTCGGAGAAGCTGAGGA  
 GCCCAGTAGGAGTGTACCGTGGGCTGGGATCACCAGGATTTGGTGCACATGGGCCCAACCTCAGGGCT  
 CCCTGTGACAGGCAAGTACAGTGGTGCACACCTCTGCACCAAGAAAAACCTAAAGAATAATTTTCA  
 CTATTGATTTTTCAATCATTGACTAATAGTCTACATTAATAAAATTTTAAAAATGCAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Ascl-NotI  
**ACCN:** NM\_009954  
**Insert Size:** 2625 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:** [BC057578](#), [AAH57578](#)

**RefSeq Size:** 3169 bp

**RefSeq ORF:** 2625 bp

**Locus ID:** 12927

**UniProt ID:** [Q61140](#)

**Cytogenetics:** 8 E1

**Gene Summary:** Docking protein which plays a central coordinating role for tyrosine kinase-based signaling related to cell adhesion. Implicated in induction of cell migration (By similarity). Has been shown to be essential in cardiovascular development during embryogenesis.

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region, compared to variant 1, and encodes isoform B. Isoforms A and B are the same length but differ by 4 N-terminal amino acids.