

## Product datasheet for **MC229093**

### **Bcar1 (NM\_001198839) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bcar1 (NM_001198839) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bcar1
Synonyms:	A1385681; Cas; Crkas
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC229093 representing NM\_001198839  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGTACCTGAACGTGCTGGCCAAAGCCTCTATGACAATGTTGCTGAATCCCCGGATGAGCTCTCCT  
 TCCGAAAGGGTGACATCATGACAGTCTCGAGCGGGACACTCAGGGCCTGGATGGCTGGTGGCTCTGCTC  
 ACTGCATGGGCGCCAGGGCATTGTGCTGGTAACCGCCTCAAGATTCTGGTTGGCATGTATGATAAGAAG  
 CCAGTAGGACCTGGACCAGGCCACCTGCCACCCACCCAGCCCAGCCCAGCCTTCCCAGGGCGTCC  
 ATGCTCCGGTACCTCCAGCTTCCAGTACAGTCCCATGCTCCCCACTGCGTACCAGCCCCAGTCTGACAA  
 TGTGTACCTGGTACCCACTCCCAGCAAGACTCAGCAAGGTCTCTACCAAGCCCCTGGGCCAAACCCACAG  
 TTCCAGTACCCCCAGCCAAACAGACGTCCACATTCTCCAAGCAAACACCTCATCACTCATTTCCCAGCC  
 CAGCCACGGACCTTTACCAGGTGCCCCAGGGCCTGGAAGTCCAGCCCAGGACATTTATCAGGTGCCACC  
 TTCGGCTGGCATAGGGCATGACATCTACCAAGTTCCTCCATCTCTGGACACTCGCGGATGGGAGGGAACA  
 AAGCCACCGCAAAGGTGGTGGTTCCTACGCGAGTGGGACAGGGCTATGTGTATGAGGCCGCTCAGACGG  
 AGCAGGATGAGTACGACACCCACGCCACCTGCTGGCCCCAGGTCCCCAGGACATCTATGATGTGCCCCC  
 GTTTCGAGGACTGCTTCCTAACCAAGTATGGCCAGGAGGTATATGACACGCCCCCTATGGCAGTCAAAGGC  
 CCCAATGGCCGAGACCCATTGTTGGATGTGTATGACGTGCCCCCTAGTGTGGAGAAAGGCCCTGCTCTCGT  
 CCAGCCATCATTTCGGTGTATGATGTTCCCTCTCTGTGAGCAAGGATGTGCCCGATGGCCCACTGCTGCG  
 TGAGGAAACCTATGATGTACCTCCTGCCTTCGCCAAGCCAAAGCCCTTTGATCCCACCCGACACCCACTG  
 ATCCTTGTGCGCCTCCTCCGACTCCCAGCAGCTGAGGATGTATATGATGTGCCCCCCCTGCTCGCCG  
 CGTGCTCCTCCTGAGGTGGCTGATGGGAGTGTAGTTGACGATGGTGTGTATGCTGTGCCCCACAGCC  
 GAGCGAGAGGCCCAACGGATGGCAAGCCCTGTGCGCCTCTAGCACGGGCGACGCGCAGCAGCAAT  
 CGGCATCTTCTTGGAGGTGGTGGTGCCAGGCCGGGAGCCCTGGAAGTGGAGGTTGCTGTGGAGTCCCT  
 GGCTCGGCTGCAGCAAGGCGTGAGCACCACCGTAGCCACCTTCTGGACCTGGTGGGCGAGTCCAGTGGG  
 CCTGGGGCTGGCGTGGTACCTCTGAGCCTCAGGAGCCTCCCGCACAGGACCTGAAAGCCGCGAGTGGCGG  
 CAGTTCACGGGGCAGTCCATGAGCTCCTGGAGTTCGCCCCGGGAGCTGTGAGCAATGCCACCCACACTTC  
 TGACCGCACCTTGCAAGCAAGCTTAGCCGGCAACTACAGAAGATGGAGGATGTGTACCAGACACTGGTG  
 GTCACCGGTCAGGTCCTTGACAGTGGCCGAGGAAGTCCAGGATCACTCCGGAAGACCTGGACCGCCTGG  
 TGGCCTGCTCTCGGGCTGTGCCGAGGATGCCAAGCAGTAGCTTCTTTTTGCATGGCAATGCCTCGCT  
 GCTTTTCAGACGGACAAAGCCCTGGCCAGGGCCTGAGGGAAGCAGCTCCCTGCACCCAAACCCCACT  
 GATAAAGCCAGTAGCATCCAGTACGCCCCTCTCCCTCACCTCCAAGTTACCTCCCAGGACTCTCCAG  
 ACGGCCAGTATGAGAACAGTGAAGGGGTTGGATGGAGGACTATGACTACGTCCAATCTGCAGGGGAAGGA  
 GGAATTTGAGAAGACCCAGAAGGAGTGTAGAAAGGGGTAACATCATGCGGCAGGGAAAGGGCCAACTG  
 GAGTTGCAGCAGCTGAAACAGTTTGGAGCAGTGGAGCAGGAGGTGTCTCGTCCAATAGACCACGACCTGG  
 CCAACTGGACACCAGCCAGCCCTGGTGCCGGCCGGACAGGGGGCCTGGGGCCTTCCAGACCGACAGT  
 GCTGCTTCTACTTGGAGCAGTGGAGGCCAACCTGACCACACTGACAGATGCAGTGGACGCCTTCTTC  
 ACTGCGGTGGCCACCAACCAACCAAGATCTTTGTGGCACACAGCAAGTTTGTCAATTCAGTGCCCC  
 ACAAGCTTGTGTTCAATTGGGGACACACTGTACGGCAGGCAAAGGCGAGCTGATGTCCGAAGCCAAGTGAC  
 CCACTACAGCAATCTGCTGTGTGACCTCCTGCGTGGCATTGTGGCCACCACCAAGGCTGCTGCCCTGCAG  
 TACCCATCCCCTCCGCTGCCAGGACATGGTGGACAGGGTCAAGGAGCTAGGCCACAGCACTCAGCAGT  
 TCCGCCGCTCCTGGCCAGCTAGCTGCTGCC**TGA**

**ACGGCT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001198839  
**Insert Size:** 2625 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u><a href="#">NM_001198839.1</a></u> , <u><a href="#">NP_001185768.1</a></u>
<b>RefSeq Size:</b>	3146 bp
<b>RefSeq ORF:</b>	2625 bp
<b>Locus ID:</b>	12927
<b>UniProt ID:</b>	<u><a href="#">Q61140</a></u>
<b>Cytogenetics:</b>	8 E1
<b>Gene Summary:</b>	<p>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.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes isoform A. Isoforms A and B are the same length but differ by 4 N-terminal amino acids.</p>