

## Product datasheet for **MR210814**

### **Bcar3 (NM\_013867) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bcar3 (NM_013867) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bcar3
Synonyms:	A1131758; AND-34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR210814 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGCGGAAAGTTTGAAGCCTTCCAGAAACATGCCTGTGAATCACCAGTCCCCTTGGCCTCGT  
 CCATGGACCTCCTGAGCAGCAAGTCCCCTTGTCTGAGCGTCGCACAGATGCCTATCAAGACGTGTCTAT  
 ACATGGCACTCTTCCACGGAAGAAAAAGGGCCCTCCTTCCATACGGTCTGTGACAATGTGGCCACTCC  
 AAATCCCCACGACAGAGCTCACCTCTGACCCAGGACATCATCCAGGAAAACCCACTGCAAGACCGGAAAG  
 GGGAAAATTCATCTTACAGGATCCATATCTTCTGGACCAACTCTGGAATACGTGAAGTTCTCCAAGGA  
 GAGGCACATCATGGACAGGACCCCTGAGAGGCTGAAAAAGGAATTGGAGGAGGAGCTGCTGCTGAGCAGC  
 GAAGACCTACGCAGCCACGCCTGGTACCACGGCCGGATCCCCGACAGGTGTCTGAAAACCTTGTGCAGC  
 GGGATGGGGACTTCTGGTTCGCGACTCCCTGTGAGCCCCGAAAATTTGTCTGACCTGTCAGTGGAA  
 GAACCTCGCTCAGCACTTAAGATCAACCGGACTGTCTGCGGCTCAGCGAGGCCTACAGCCGTGTGCAG  
 TACCAATTCGAGATGGAGAGCTTGGACTCCATCCCGGGGCTGGTCCGCTGTACGTGGGCAACCGCGGC  
 CCATCTCCAACAGAGTGGTGCCATCATCTTCCAGCCATCAATAGGACAGTGCCCTCTGGTGTCTGGA  
 GGAGCGTTATGGCACCTCCCCGGCCGAGGCGGGAGGGCAGCCTGGCTGAGGGAAGGCCAGACGTGGTG  
 AAGAGGCTGAGCCTCACACAGGACAGCAGCATCCAGGCTCGGGAACACAGCCTGCCCCGAGGAAACCTCC  
 TCAGGAATAAAGAGAAGAGTGGCAGCCAGCCCGCTGCCTGGATCACGTGCAGGACAGGAAGGCCTAAC  
 CCTCAAAGCTCACAGTCGGAGAGTCACCTGCCAATAGGCTGCAAGCTGCCCCCAAGTCTCCGAGTATG  
 GACACAAGCCCTTGGCCAGCTCTCCCGTGTTCAGGACTGGCAGCGAGCCACTCTGAGTCCAGCACTGG  
 TACGAAGGTTCTCTTTCAGATGCTAGGACAGGGGAGGCGCTTCGGGGATCAGACAGCCAGCTGTGCCCAA  
 GCCACCCCGAAGCCCTGCAAGGTGCCCTTCTCAAGACTCCCCCTCTCCATCTCCCTGGCTCACCTCA  
 GAGGCCAACTACTGTGAAGTGAACCTGCTTTTGTGTGGGCTGTGACAGGGGAGCCAAGCTTCCCATGC  
 AAGCCACGACAGCCACGAGATGCTGCTGACAGCCAAACAGAATGGGCCATCGGGTCCCCGAACTCTGG  
 CATCAACTACATGATCCTTGATGGGGATGACCAGGCGAGACATTGGGATCCACTGGCAGTGCAGACGGAT  
 GAAGGTGAGGAGACAAGACCAAGTTTGTGCCACCTCTCATGGAGACCGTGTCTGATTACAGACCAATG  
 ACTTTGAGTCCAAGCTTCTTCTCCAGAGAACAACCCCTGGAAACGGCCATGCTGAAGCACGCGAAAGA  
 ACTGTTACCAACACGATGCCAGGTCATTGCGCAGCACATGCTGAGCGTGGACTGCAAGGTTGCTAGG  
 ATACTCGAAGTCTCTGAAGACAGGAAGAGGAGCATGGGTGTGAGCTCTGGTTGGAGCTCATTACTTTAC  
 TCATGGACGGCAGCTGCGCCTGGACATCATCGAGAGGCACAACACCATGGCCATTGGCATTGCTGTGGA  
 CATTCTGGGCTGCACAGGCACACTGGAGAACCAGCGGGTACCCTCAATAAGATCATCCAGTGGCGGTG  
 GAACTGAAGGATGCCATGGGAGACCTCTATGCTTTCTTGCCATCATGAAAGCCCTGGAGATGCCTCAGA  
 TCACAAGGTTAGAGAAAACATGGACGGCTCTGAGGCACCACTACACGCAGACAGCCATCCTCTATGAGAA  
 GCAGTTGAAGCCCTTTAGCAAAATCCTGCATGAAGGCAGAGAGTCTACATATGTCCAGCAAGCAATGTG  
 TCAGTCCCTCTGCTGATGCCACTGGTGACCTTAATGGAACGCCAGGCTGTCACTTTGAAGGGACCGACA  
 TGTGGGAAAACAATGACGAGAGCTGTGAAATCTGCTGAATCACTTGGCAACAGCCAGGTTTATGGCTGA  
 GGCTTCTGAGAGCTACAGGATGAATGCTGAGAGGATCCTGGCAGATTTCCAACAGATGAAGAAATGACT  
 GAGATCTTAAGGACTGAGTTCCAGATGAGATTGTTATGGGGCAGCAAGGGCGCCGAAGTCAACCAGAACG  
 AGAGATACGACAAGTTCAACCAGATCCTAACAGCCCTCTACGGAACTAGAACCCTCCTCTGAAAGCA  
 GGCCGAGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

&gt;MR210814 protein sequence

Red=Cloning site Green=Tags(s)

MAAGKFASLPRNMPVNHQFPLASSMDLLSSKSPLAERRTDAYQDVSIHGTLPRKKKGPPSIRSCDNAGHS  
KSPRQSSPLTQDIIQENPLQDRKGENFIFRDPYLLDPTLEYVKFSKERHIMDRTPERLKKELLEEELLLSS  
EDLRSHAWYHGRIPRQVSENLVQRDGDFLVRDSLSSPGNFVLTQWKNLAQHFKINRTVLRRLSEAYSRVQ  
YQFEMESFDSIPGLVRCYVGNRRPISQQSGAIIFQPINRTVPLWCLEERYGTSPGRGREGSLAEGRPDVV  
KRLSLTTGSSIQAREHSLPRGNLLRNKEKSGSQPACLDHVQDRKALTLKAHQSESHLPIGCKLPPQSPSM  
DTSPCPSSPVFRTGSEPTLSPALVRRFSSDARTGEALRGSDSQLCPKPPPKPCKVPFLKTPPSPSPWLT  
EANYCELNPAFAVGCDRGAKLPMQAHDSEMLLTAKQNGPSGPRNSGINYMILDGDDQARHWDPYAVQTD  
EGQEDKTKFVPLMETVSSFRPNDFESKLLPPENKPLETAMLKHAKELFTNH DARVIAQHMLSV DCKVAR  
ILEVSEDRKRSMGVSSGLELITLPHGRQLRLDI IERHNTMAIGIAVDILGCTGTLENRAGTLNKIIQVAV  
ELKDAMGDLYAFSAIMKALEMPQITRLEKTWTALRHHTQTAILYEKQLKPFKILHEGRESTYVPASNV  
SVPLLMPLVTLMERQAVTFEGTDMWENDESCILLNHLATARFMAEASESYRMNAERILADFQPDEEMT  
EILRTEFQMRLLWGSKGAEVNQNERDYDFNQILTALSRKLEPPSGKQAEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

## Restriction Sites:

Sgfl-Mlul

**Cloning Scheme:**



**ACCN:** NM\_013867

**ORF Size:** 2463 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\\_013867.3](#)

**RefSeq Size:** 3316 bp

**RefSeq ORF:** 2463 bp

**Locus ID:** 29815

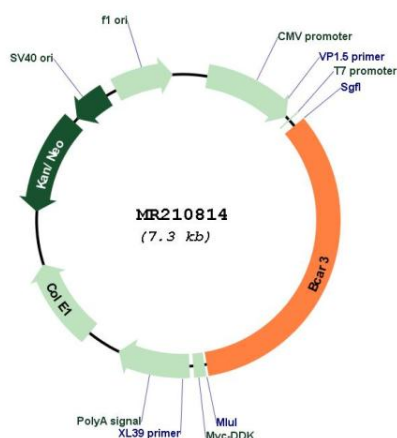
**UniProt ID:** [Q9QZK2](#)

**Cytogenetics:** 3 G1

**MW:** 92.3 kDa

**Gene Summary:** May act as an adapter protein and couple activated growth factor receptors to signaling molecules that regulate src kinase activity and promote cell migration.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR210814