

## Product datasheet for **RN201266**

### **Bcar1 (NM\_012931) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bcar1 (NM_012931) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bcar1
Synonyms:	Cas; Crkas; P130CAS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:**

>RN201266 representing NM\_012931  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGTACCTGGTGTGAGTGTGGGCGCGGGGCCGGCCAGGCGGGCGGGCGGTCTGGAGGACGTTTCCTGGG  
 GGCCCGAGTGTCCCGCCGGCCGAGAGTTACCGGGCAGCTCGGCACGTAACGAGTCCCTCCCTCGGTC  
 CGCCTTTCGAGTCCCGCAGCTCACGGAGCTAGCGTGACGCCCTCCGACGCCCTTGGGTCCGGGTTGCCT  
 GAGACTCAGCCCGAGGCGGTATGACAGAGGACTGAGAAACCGAGATTTGCTGAGGGCTGCAAACCGCGG  
 CGAGCCCGCACAAGAACGTGCTGGCCAAAGCCCTCTATGACAACGTAGCTGAGTCTCCGGATGAAGTCTC  
 CTTCCGAAAGGGTGACATCATGACAGTGTGAGCGGGGACTCAGGGCCTGGATGGCTGGTGGCTCTGC  
 TCACTGCATGGGCGCCAGGGCATTGTGCCTGGTAACCGCCTCAAGATTCTGGTTGGCATGTATGACAAGA  
 AGCCAGCAGCACCTGGACCAGGCCACCTGCCACCCACCCAGCCAGCCAGCCTTCCCGAGGGCGT  
 CCATACTCCAGTCCCTCCAGTCCAGTACAGTCCCATGCTCCCACTGCATACCAACCCCAACCTGAC  
 AATGTGTACCTGGTACCCACTCCAGCAAGACTCAGCAAGGTCTCTACCAAGCCCTGGGCCCAACCCAC  
 AGTTCAGTACCCCCAGCCAAACAAACATCCACATTCTCAAAGCAAACACCTCATCACTCATTTCCAG  
 CCCTGCCACAGACCTTTACCAGGTGCCTCCAGGGCCTGGAAGTCCAGCCAGGACATTTACCAGGTGCCA  
 CCTTCCGCTGGCACAGGGCATGACATCTACCAAGTCCCTCCATCTTTGGACCCCGCAGCTGGGAGGGAA  
 CGAAGCCACCGGCAAAGTGGTGGTACCTACTCGAGTGGGACAGGGCTATGTGTACGAGGCTCCAGGC  
 AGAACAGGATGAGTACGACACCCCGCCACCTGCTAGCTCCAGTTCAGGACATCTATGATGTGCC  
 CCTGTTCCGAGGACTGCTTCCCAACAGTATGGCCAGGAGTATATGACACCCCGCTATGGCAGTCAAAG  
 GCCCAATGGCCGAGACCCGTTGTTGGATGTGTATGACGTGCCCCCTAGTGTGGAGAAAGGCTGCCGCC  
 GTCCAACCATCATTCCGGTGTATGATGTTCTCTCTGTGTGAGCAAGGATGTGCCTGATGGCCCACTGCTG  
 CGTGAGGAAACATATGATGTACCCCTGCCTTCGCCAAACCCAAGCCTTTTGATCCGACCCGACATCCAT  
 TAATCCTCGTGCACCTCCTCCGGACTCCCAACAGCTGAGGATGTGTATGATGTGCCACCCCTGCTCC  
 TGACCTCTATGATGTGCCCTGGTTTGGCGGGCCTGGCCCTGGAACACTGTATGACGTGCCTCGAGAG  
 CGGGTGTCCCTCCTGAGGTGGCTGATGGGAGTGAATTGATGATGGTGTGTATGCTGTGCCCCACCAG  
 CCGAGCGAGAGGGCCAAACAGATGGCAAGCGCTGTGGCCTCTAGCACGGGCAGCACACGCAGCAGCCA  
 ATCGGCGTCTTCCCTGGAGGTAGTGGTGCAGGTGGGAGCCCTGGAGCTGGAAGTTGCTGTGGAGACC  
 CTGGCTCGGCTACAGCAGGGTGTGAGCACCACCTAGCCACCTTCTGGACCTGGTGGGAGTGCCAGTG  
 GCCCGGGGGCTGGCGTGTACCTCTGAGCCCAAGGAGCCTCCCGTGCAGGACCTGAAAGCTGCAGTGGC  
 CGCAGTTCATGGGGCAGTACATGAGTCTCTGGAGTTTGGCCGAGTGCAGTGCAGTGCACACTCAACT  
 TCTGACCGCACTTTGCACGCCAAGCTTAGCCGGCAGCTACAGAAGATGGAGGATGTGTACCAGACTGG  
 TGGTCCATGGTACAGTCCCTGACAGTGGCCGGGAGGTCCAGGATCACTCTGGACGACCTGGACCCCT  
 GGTGGCCTGTACGGGCTGTGCCCGAGGATGCCAAGCAGCTGGCCTCCTTTTGATGGTAATGCCTCG  
 CTGCTTTTCAGACGGACCAAGCCCTGGCCCGGGCCTGAGGGCAGCAGCTCCCTGCACCTCAACCCCA  
 CCGATAAAGCCAGCAGCATCCAGTACGCCCTCACTCCACCTCAAAGTTCACCTCCAGGACTCTCC  
 GGATGGCCAGTATGAGAACAGTGAAGGGGTTGGATGGAGGACTATGACTACGTTTATGTCAGGGGAAAG  
 GAGGAATTTGAGAAGACCCAGAAGGAAGTGTGGAAAAGGGCAACATCGTGCAGCAGGAAAAGGCCAAC  
 TGGAGCTGCAGCAGTGAACAGTTTGGAGCAGTGGAGCAGGAGGTGTCTCGTCCATAGACCATGACCT  
 GGCCAACTGGACACCAGCCAGCCCTTGTGCCGGGCGGACAGGGGGACTGGGGCCTTACAGCCGACAG  
 CTGCTGCTCTTCTACTTGGAGCAGTGTGAGGCCAACCTGACCACACTGACAGATGCGGTGGACGCTTCT  
 TCACCGCAGTGGCCACCAACCAGCCACCAAGATCTTTGTGGCACACAGCAAGTTTGTATTCTTAGTGC  
 ACACAAGCTTGTGTTTATTGGGGACACACTGTACGGCAGGCAAAGGCAGCTGATGTGCGAAGCAAAGTG  
 ACCCACTACAGCAATCTGCTGTGTGACCTCTGCGTGGCATCGTGGCCACCACCAAGGCCGCTGCCCTGC  
 AGTACCCATCCCATCTGCTGCCAGGACATGGTAGACAGGGTCAAGGAGCTAGGCCACAGCACTCAGCA  
 GTTCCGCGTGTCTGGCCAGCTGGCTGCCGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_012931
<b>Insert Size:</b>	2907 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>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>RefSeq:</b>	<u><a href="#">NM_012931.1</a></u> , <u><a href="#">NP_037063.1</a></u>
<b>RefSeq Size:</b>	3335 bp
<b>RefSeq ORF:</b>	2907 bp
<b>Locus ID:</b>	25414
<b>UniProt ID:</b>	<u><a href="#">Q63767</a></u>
<b>Cytogenetics:</b>	19q12
<b>Gene Summary:</b>	SH3 domain-containing protein that may assemble signals from SH2 domain-containing proteins; important for oncogenesis, actin cytoskeleton organization and cellular migration; tyrosine phosphorylated under multiple conditions [RGD, Feb 2006]