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Product datasheet for RR201266

Bcar1 (NM_012931) Rat Tagged ORF Clone

Product data:

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

View online »

ORF Nucleotide Sequence:

>RR201266 representing NM_012931
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGTACCTGGTGAGTGTGGGCGCGGGGCCGGCCAGGCGGGCGGGCGGTCTGGAGGACGTTTCCTGGG
GGCCCCGAGTGTCCCGCCGGCCGCAGAGTTACCGGGCAGCTCGGCACGTAAACGAGTCCCTCCCTCGGTC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201266 representing NM_012931
Red=Cloning site Green=Tags(s)

MKYLVSVGAGPARRAGGLEDVSWGPRVSRRPQSYRAARHVNESLPRSAFRVPAAHGASVTPSAALGSGLP
ETQPEAVCRGTEKPRFAEGCKPAASRDKNVLAKALYDNVAESPDELSFRKGDIMTVLERDTQGLDGWWLC
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NVYLVPTPSKTQQGLYQAPGPNPQFQSPPAKQTSTFSKQTPHHSFPSPATDLYQVPPGPGSPAQDIYQVP
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LARLQQGVSTTVAHLLDLVGSASGPGGWRSTSEPQEPPVQDLKAAVAAVHGAVHELLEFARSAVSSATHT
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LLLFYLEQCEANLTTLTDAVDAFFTAVATNQPPKIFVAHSKFVILSAHKLVFIGDTLSRQAKAADVRSKV
THYSNLLCDLLRGIVATTKAAALQYPSPSAAQDMVDRVKELGHSTQQFRRVLGQLAAA

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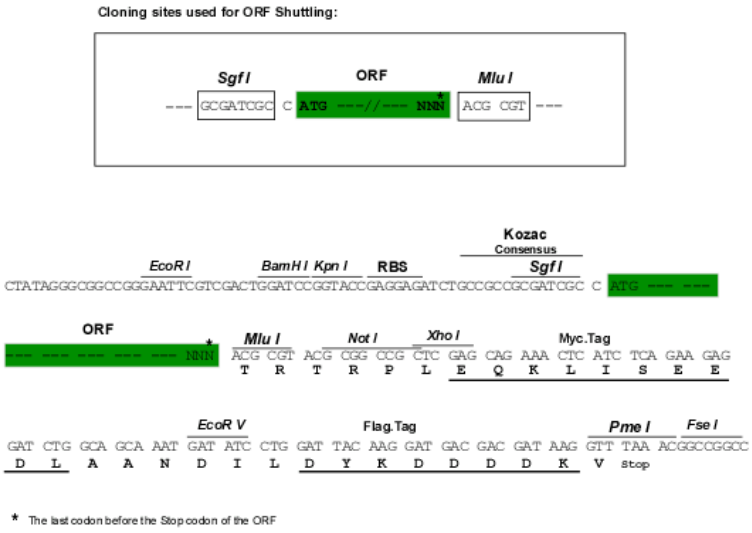
Restriction Sites: SgfI-MluI

Cloning Scheme:

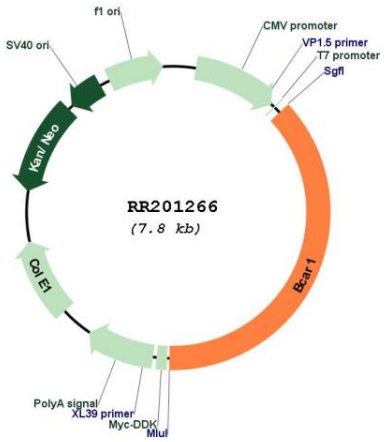


ACCN: NM_012931

ORF Size: 2904 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_012931.1, NP_037063.1
RefSeq Size:	3335 bp
RefSeq ORF:	2907 bp
Locus ID:	25414
UniProt ID:	Q63767
Cytogenetics:	19q12
MW:	104.3 kDa
Gene Summary:	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]

Product images:



Circular map for RR201266