OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RR205495

Card10 (NM_001130554) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Card10 (NM_001130554) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Card10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205495 representing NM_001130554 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCAGGGCCGGGCGGACGCGGCCGAGGCCGACGAGGAGGCTGGGGCGGGCTCCGGGTCGGAGGCCGAAG AGGACGCGCTATGGGAGCGGATCGAGGGCGTCCGGCACCGGCTGACCCGCGCCCTGAACCCGGCCAAGCT CACGCCTTATCTGCGCCAGTGCCGCGTCTTGGACGAGCAAGACGAGGAGGAGGTGCTCAGCACCTACCGT TTTCCGTGCCGCGCTAACCGTACCGGGCGTCTCATAGACATTTTACGCTGCCGGGGCAAGAGGGGCTTCG AGGCCTTCCTGGAAGCGCTGGAATTCTACTACCCAGAACACTTCACGCTGCTCACTGGCCAGGAACCTGC CCAGCGCTGCTCCATGATACTTGATGAGGAGGGGCCAGAGGGCCTGACTCAGTTCTTGATGACTGAAGTC CGGAGGCTTCGGGAAGCTCGAAAGAGCCAGCTGCACCGAGAACAGCAACTGCAGGCCCGGGGCCGGGCAC TGGAGGAGGAGCGGGCAGGGTTAGAGCAGCGGCTTCGGGAGCAGCAGGCGGCACAGGAACGCTGCCAGCG GCTGAGGGAGGACTGGGAGGCGGGCAGCCTGGAGCTGCTGCGCCTCAAGGATGAGAACTACATGATTGCC ATGCGCCTGGCTCAGCTCAGCGAGGAGAAGAACTCGGCTGTGCTGCGTAGCCGAGACCTGCAGCTTGCGG TAGATCAGCTCAAGCTCAAAGTCAGCCGATTGGAGGAAGAGTGTGCGCTACTGAGGAGGGGCAGGGGCCC ACCGCCTGGGGCTGAAGAGAAGGAGAAGGAGCCAGACGGTGTGGATCTTCTCTCAGAGCTTCGGGCAGAG AACCAGCGACTGACAGCTTCACTGCAGGAGCTCCAGGAAGGTCTTCAGCAGGAAATGAGCCGGCCAGGAG CTGCAGGCTCTGAACGCATTCTGCTGGACATCCTGGAGCATGACTGGAGGGAGGCACAGGACAGCAGGCA GGAGCTGTGTCAGAAGCTTCACGCTGTGCAGGGCGAGCTACAGTGGGCAGAAGAACTGCGGGACAAGTAC CTGCAGGAGATGGAGGATCTGAGGCTCAAACATCGAACGCTGCTGAAGGACTGTGACCTCTATAAGCACC GCATGGCCACTGTGTTGGCCCAGCTGGAGGAGATTGAGAAAGAGCGGGACCAGGCAATCCAGAGCCGAGA CCGGATCCAGTTGCAGTACTCTCAGAGCCTCATTGAGAAGGATCAGTACCGCAAGCAGGTGCGGGGACTA GAGGCGGAACGCGATGAGCTGCTCACCACAGTCACCAGCCTGGAGGGGACCAAGGCCATGCTGGAGGCAC AGCTACAGCGGACACAGGGGGGTTCCAGTCTCAAGGCTTGTGCCTCCTCCCACTCCCTGTGCTCCAACCT CAGCAGCACCTGGAGCCTCAGCGAGTTCCCATCACCACTGGGAGGCCCAGAAGCTACAGGAGAAACCGGG GGATCTGAGCCCCACACCTCGGAGGAAGCCACAGACAGTGAGAAGGAGATCAACCGGCTCTCTATCCTGC CCTTTCCACCCAGTGCTGGCTCCATACTCCGCCGGCAGCGTGAGGAAGACCCGGAGCCCCCTAAGAGGTC TTTTAGCAGCATGTCGGATATCACAGGGAGTGTGACCCTTAAGCCCTGGTCGCCCGGCCTCTCTTCATCA

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TCGTCATCTGACAGTGTGTGGCCTTTGGGAAAGCCGGAAGGCCTCCTGGCCCGGGGTTGTGGCCTGGACT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RR205495 representing NM_001130554
Red=Cloning site Green=Tags(s)

MQGRADAAEADEEAGAGSGSEAEEDALWERIEGVRHRLTRALNPAKLTPYLRQCRVLDEQDEEEVLSTYR
FPCRANRTGRLIDILRCRGKRGFEAFLEALEFYYPEHFTLLTGQEPAQRCSMILDEEGPEGLTQFLMTEV
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MRLAQLSEEKNSAVLRSRDLQLAVDQLKLKVSRLEEECALLRRGRGPPPGAEEKEKEPDGVDLLSELRAE
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PGSARTEQKEPRAEGSGLEGTGLEAEVQQRTLPWNQSSTLPFLLDSKACQSFHEALDVWAKGPGAEPFYI
RANFSLPERADPHALCVKAQEILRLVDPAYKRRQEWFCTRVDTLTLRDLDRGTVPNYQRAQQLLEVQEKY
LISSRHRSPRSNLKKRALGLVRPKPAGGTAGDSAEQLPADPCSELERSLKPYSLVRPLLVSALRPVVLLP
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ELGARGVRELVHSEVYPIVIHVEVTEKNVREIRSLLGRPGWRDSELLRQCRGSEQWLWGLPCSWVQVPAH
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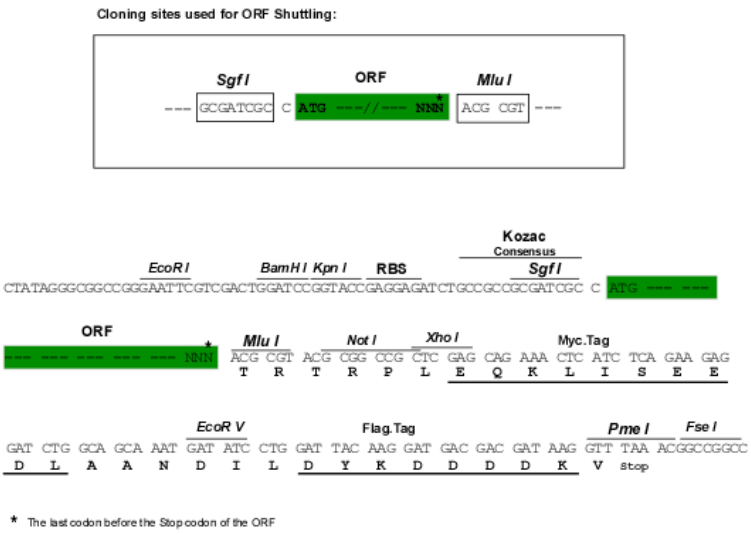
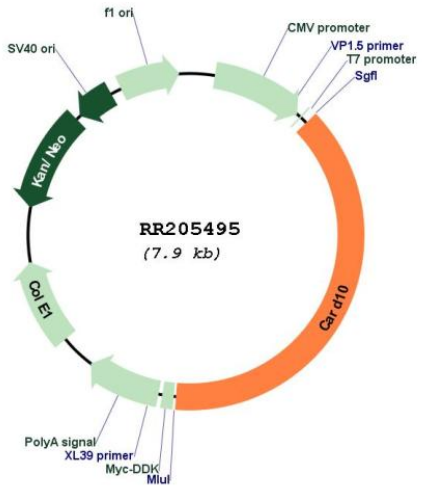
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001130554

ORF Size: 3063 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_001130554.1, NP_001124026.1
RefSeq Size:	3124 bp
RefSeq ORF:	3066 bp
Locus ID:	315120
Cytogenetics:	7q34
MW:	114.5 kDa