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Product datasheet for RC234804

CARD14 (NM_001257970) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CARD14 (NM_001257970) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CARD14
Synonyms:	BIMP2; CARMA2; PRP; PSORS2; PSS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC234804 representing NM_001257970
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGGAACTGTGCCGCAGGGACTCCGCACTCACGGCACTGGACGAGGAGACACTGTGGGAGATGATGG
AGAGCCACCGCCACAGGATCGTACGCTGCATCTGCCCCAGCCGCCTCACCCCCTACCTGCGCCAGGCCAA
GGTGCTGTGCCAGCTGGACGAGGAGGAGGTGCTGCACAGCCCCCGGCTCACCAACAGCGCCATGCGGGCC
GGGCACTTGCTGGATTTGCTGAAGACTCGAGGGAAGAACGGGGCCATCGCCTTCCTGGAGAGCCTGAAGT
TCCACAACCCTGACGTCTACACCCTGGTCACCGGGCTGCAGCCTGATGTTGACTTCAGTAACTTTAGCGG
TCTCATGGAGACATCCAAGCTGACCGAGTGCCTGGCTGGGGCCATCGGCAGCCTGCAGGAGGAGCTGAAC
CAGGAAAAGGGGCAGAAGGAGGTGCTGCTGCGGCGGTGCCAGCAGCTGCAGGAGCACCTGGGCCTGGCCG
AGACCCGTGCCGAGGGCCTGCACCAGCTGGAGGCTGACCACAGCCGCATGAAGCGTGAGGTTAGCGCACA
CTTCCATGAGGTGCTGAGGCTGAAGGACGAGATGCTCAGCCTCTCGCTGCACTATAGCAATGCGCTGCAG
GAGAAGGAGCTGGCCGCCTCACGCTGCCGCAGCCTGCAGGAGGAGCTGTATCTACTGAAGCAGGAGCTGC
AGCGAGCCAACATGGTTTCCTCCTGTGAGCTGGAATTGCAAGAGCAGTCCCTGAGGACAGCCAGCGACCA
GGAGTCCGGGGATGAGGAGCTGAACCGCCTGAAGGAGGAGAATGAGAAACTGCGCTCGCTGACTTTCAGC
CTGGCGGAGAAGGACATTCTGGAGCAGAGCCTGGACGAGGCGCGGGGGAGCCGACAGGAGCTGGTGGAGC
GCATCCACTCGCTGCGGGAGCGGGCCGTGGCTGCCGAGAGGCAGCGAGAGCAGTACTGGGAAGAGAAGGA
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CAGGCCCAGGTGTGCGAGCTGCAGAAGGAGCGAGACCAGGCGTACTCCGCGAGGGACAGTGCTCAGAGGG
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CGAGCTGCGCACACAGCTTCGCCAGCTGCAGGCAGAGCCTCCGGGTGTGCTCAAGCAGGAAGCCAGGACC
AGGGAGCCCTGTCCACGGGAGAAGCAGCGGCTGGTGCGGATGCATGCCATCTGCCCCAGAGACGACAGCG
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CGGGAGCTAAGGCAGGCGACCCACACCTGGATTATGAGCTCCTAGACACGGCAGACCTTCCGCAGCTGGA
AAGCAGCCTGCAGCCAGTCTCCCCTGGAAGGCTTGATGTCTCGGAGAGCGGCGTCCTCATGCGGCGGAGG
CCAGCCCGCAGGATCCTGAGCCAGGTCACCATGCTGGCGTTCCAGGGGGATGCATTGCTGGAGCAGATCA
GCGTCATCGGCGGGAACCTCACGGGCATCTTCATCCACCGGGTCACCCCGGGCTCGGCGGCGGACCAGAT
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CTGGAGGACACGACCCTGGAGGAGGCCGTGGGGCTTCTCAGGAGGGTGGACGGCTTCTGCTGCCTGTCTG
TGAAGGTCAACACGGACGGTTATAAGAGGCTACTCCAGGACCTGGAGGCCAAAGTGGCGACCTCGGGGGA
CTCATTCTACATCCGGGTCAACCTGGCCATGGAGGGCAGGGCCAAAGGGGAGCTGCAGGTGCATTGCAAC
GAGGTCCTGCACGTCACCGACACCATGTTCCAGGGCTGCGGCTGCTGGCATGCCCACCGCGTGAACTCTT
ACACCATGAAGGATACTGCCGCGCACGGCACCATCCCCAACTACTCCAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234804 representing NM_001257970
Red=Cloning site Green=Tags(s)

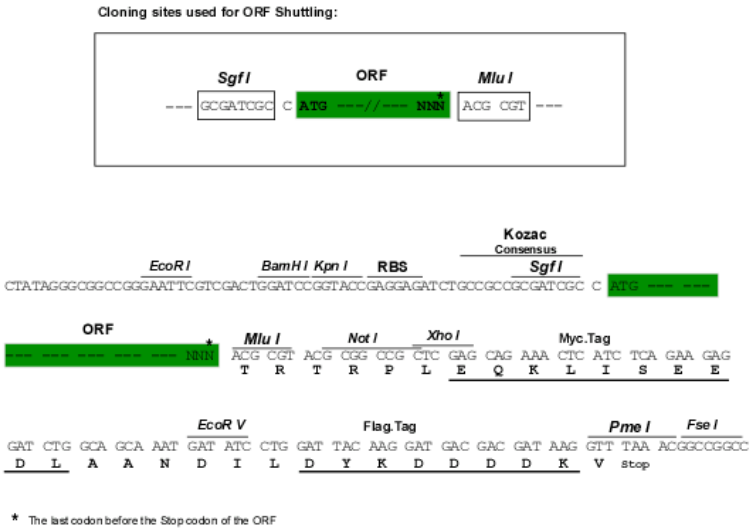
MGELCRRDSALTALDEETLWEMMESHRHRIVRCICPSRLTPYLRQAKVLCQLDEEEVLHSPRLTNSAMRA
GHLLDLLKTRGKNGAIAFLESLKFHNPDVYTLVTGLQPDVDFSNFSGLMETSKLTECLAGAIGSLQEELN
QEKGQKEVLLRRCQQLQEHLGLAETRAEGLHQLEADHSRMKREVSAHFHEVLRLKDEMLSLSLHYSNALQ
EKELAASRCRSLQEELYLLKQELQRANMVSSCELELQEQSLRTASDQESGDEELNRLKEENEKLRSLTFS
LAEKDILEQSLDEARGSRQELVERIHSLRERAVAAERQREQYWEEKEQTLLQFQKSKMACQLYREKVNAL
QAQVCELQKERDQAYSARDSAQREISQSLVEKDSLRRQVFELTDQVCELRTQLRQLQAEPPGVLKQEART
REPCPREKQRLVRMHAICPRDDSDCSLVSSTESQLLSDLSATSSRELVDSFRSSSPAPPSQQSLYKRVAE
DFGEEPWSFSSCLEIPEGDPGALPGAKAGDPHLDYELLDTADLPQLESSLQPVSPGRLDVSESGVLMRRR
PARRILSQVTMLAFQGDALLEQISVIGGNLTGIFIHRVTPGSAADQMALRPGTQIVMVDYEASEPLFKAV
LEDTTLEEAVGLLRRVDGFCCLSVKVNTDGYKRLLQDLEAKVATSGDSFYIRVNLAMEGRAKGELQVHCN
EVLHVTDTMFQGCGCWHAHRVNSYTMKDTAAHGTIPNYSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3137_f02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

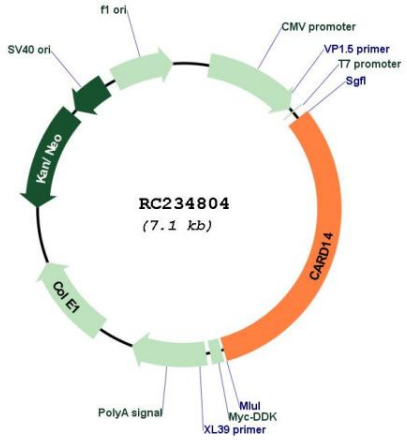


ACCN: NM_001257970

ORF Size: 2220 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_001257970.1, NP_001244899.1
RefSeq Size:	2612 bp
RefSeq ORF:	2223 bp
Locus ID:	79092
UniProt ID:	Q9BXL6
Cytogenetics:	17q25.3
Protein Families:	Druggable Genome
MW:	83.7 kDa
Gene Summary:	This gene encodes a caspase recruitment domain-containing protein that is a member of the membrane-associated guanylate kinase (MAGUK) family of proteins. Members of this protein family are scaffold proteins that are involved in a diverse array of cellular processes including cellular adhesion, signal transduction and cell polarity control. This protein has been shown to specifically interact with BCL10, a protein known to function as a positive regulator of cell apoptosis and NF-kappaB activation. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2012]

Product images:



Circular map for RC234804