

Product datasheet for **RC218576**

CARD14 (NM_052819) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CARD14 (NM_052819) 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)



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ORF Nucleotide Sequence:

>RC218576 representing NM_052819
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTTCCTCCTGTGAGCTGGAATTGCAAGAGCAGTCCCTGAGGACAGCCAGCAGCAGGAGTCCGGGG
 ATGAGGAGCTGAACCGCCTGAAGGAGGAGAATGAGAACTGCGCTCGCTGACTTTCAGCCTGGCGGAGAA
 GGACATTTCTGGAGCAGAGCCTGGACGAGGCGCGGGGAGCCGACAGGAGCTGGTGGAGCGCATCCACTCG
 CTGCGGGAGCGGGCCGTGGCTGCCGAGAGGCGAGAGCAGTACTGGGAAGAGAAGGAACAGACCCCTGC
 TGCAGTTCCAGAAGAGTAAGATGGCCTGCCAACTCTACAGGGAGAAGGTGAATGCGCTGCAGGCCAGGT
 GTGCGAGCTGCAGAAGGAGCGAGACCAGGCGTACTCCGCGAGGGACAGTGTCTCAGAGGGAGATTTCCCAG
 AGCCTGGTGGAGAAGGACTCCCTCCGAGGAGGTTTCGAGCTGACGGACCAGGTCTGCGAGCTGCGCA
 CACAGTTCGCCAGCTGCAGGCAGAGCCTCCGGGTGTGCTCAAGCAGGAAGCCAGGACCAGGAGCCCTG
 TCCACGGGAGAAGCAGCGCTGGTGCAGTGCATGCCATCTGCCAGAGACGACAGCGACTGCAGCCTC
 GTCAGCTCCACAGAGTCTCAGCTTTGTGCGACCTGAGTGCCACGTCCAGCCGCGAGCTGGTGGACAGCT
 TCCGCTCCAGCAGCCCCGCGCCCCCAGCCAGCAGTCCCTGTACAAGCGGGTGGCCGAGGACTTCGGGGA
 AGAACCTGGTCTTTCAGCAGCTGCCTGGAGATCCCGGAGGGAGACCCGGGAGCCCTGCCGGGAGCTAAG
 GCAGGCGACCCACACCTGGATTATGAGCTCCTAGACACGGCAGACCTTCCGACAGTGGAAAGCAGCCTGC
 AGCCAGTCTCCCTGGAAGGCTTGATGTCTCGGAGAGCGGCTCCTCATGCGGGGAGGCCAGCCCGCAG
 GATCCTGAGCCAGGTACCATGCTGGCCTCCAGGGGATGCATTGCTGGAGCAGATCAGCGTATCGGC
 GGAACCTCACGGCATCTTATCCACCGGTCACCCCGGGCTCGCGGGGACCAGATGGCCTTGCGCC
 CGGGCACCCAGATTGTGATGGTGAAGCGTGCAGGCCCCCTCTGTCCCCGGGCTCCTCATGGGGACAGT
 GGCAGCGGGTGGGTGACCCAGGACAGTTCACCTCCCCAGACGATGCAGATCCACTCTGGGCTGGCC
 TCTGCTTTCTGGGCTGACGTAAGCGTTCTGCTATTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218576 representing NM_052819
 Red=Cloning site Green=Tags(s)

MYSSCELELQEQLRTASDQESGDEELNRLKEENEKLRSLTFSLAEKDILEQSLDEARGSRQELVERIHS
 LRERAVAAERQREYWEKEQTLQFQKSKMACQLYREKVNALQAQVCELQKERDQAYSARDSAQREISQ
 SLVEKDSLRRQVFELTDQVCELRTQLRQLQAEPGVLKQEARTREPCPREKQRLVRMHAI CPRDDSDCSL
 VSSTESQLLSDL SATSSREL VDSFRSSSPAPPSQQSLYKRV AEDFGEEPWSFSSCLEIPEGDPGALPGAK
 AGDPHLDYELLDTADLPQLESSLQPVSPGRLDVSESGVLMRRRPARRILSQVTMLAFQGDALLEQISVIG
 GNLTGIF IHRVTPGSAADQMALRPGTQIVMVSRRPRLSPGLLMGTVAAGGVTQADFTSPRRCRSTLGWA
 SALSWADVKRSAHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8059_f08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_052819

ORF Size: 1302 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_052819.2](#), [NP_438170.1](#)

RefSeq Size: 1648 bp

RefSeq ORF: 1305 bp

Locus ID: 79092

UniProt ID: [Q9BXL6](#)

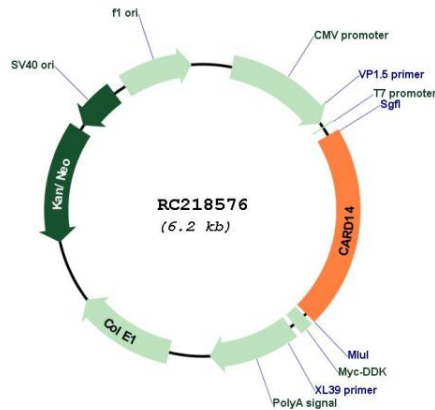
Cytogenetics: 17q25.3

Protein Families: Druggable Genome

MW: 48.3 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 RC218576