

Product datasheet for **RG218576**

CARD14 (NM_052819) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CARD14 (NM_052819) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CARD14
Synonyms: BIMP2; CARMA2; PRP; PSORS2; PSS1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG218576 representing NM_052819
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTTTCCTCCTGTGAGCTGGAATTGCAAGAGCAGTCCCTGAGGACAGCCAGCGACCAGGAGTCCGGGG
 ATGAGGAGCTGAACCGCCTGAAGGAGGAGAATGAGAACTGCGCTCGCTGACTTTCAGCCTGGCGGAGAA
 GGACATTTCTGGAGCAGAGCCTGGACGAGGCGGGGGAGCCGACAGGAGCTGGTGGAGCGCATCCACTCG
 CTGCGGGAGCGGCCGTGGCTGCCGAGAGGCAGCGAGAGCAGTACTGGGAAGAGAAGGAACAGACCCCTGC
 TGCAGTCCAGAAGAGTAAGATGGCCTGCCAATCTACAGGGAGAAGGTGAATGCCTGCAGGCCAGGT
 GTGCGAGCTGCAGAAGGAGCGAGACCAGGCGTACTCCGCGAGGGACAGTCTCAGAGGGAGATTTCCAG
 AGCCTGGTGGAGAAGGACTCCCTCCGACGGCAGGTGTTTCGAGCTGACGGACCAGGTCTGCGAGCTGCGCA
 CACAGTTCGCCAGCTGCAGGCAGAGCCTCCGGGTGTGCTCAAGCAGGAAGCCAGGACCAGGGAGCCCTG
 TCCACGGGAGAAGCAGCGGCTGGTGCAGTGCATGCCATCTGCCCCAGAGACGACAGCGACTGCAGCCTC
 GTCAGTCCACAGAGTCTCAGCTTTGTCGGACCTGAGTGCCACGTCCAGCCGAGCTGGTGGACAGCT
 TCCGCTCCAGCAGCCCCGCGCCCCCAGCCAGCAGTCCCTGTACAAGCGGGTGGCCGAGGACTTCGGGGA
 AGAACCTGGTCTTTCAGCAGCTGCCTGGAGATCCCGGAGGGAGACCCGGGAGCCCTGCCGGGAGCTAAG
 GCAGGCGACCCACACCTGGATTATGAGCTCCTAGACACGGCAGACCTTCCGAGCTGAAAGCAGCCTGC
 AGCCAGTCTCCCTGGAAGGCTTGATGTCTCGGAGAGCGGCTCCTCATGCGGCGGAGGCCAGCCCGCAG
 GATCCTGAGCCAGGTCAACATGTGCGGTTCCAGGGGATGCATTGCTGGAGCAGATCAGCGTCATCGGC
 GGGAACTCACGGGATCTTATCCACCGGGTACCCCGGCTCGGCGGCGGACCAGATGGCCTTGCACC
 CGGGCACCCAGATTGTGATGGTGAAGCCGTGCGAGGCCCTCCTGTCCCCGGGCTCCTATGGGACAGT
 GGCAGCGGGTGGGGTACCCAGGCAGACTTCACTCCCCAGACGATGCAGATCCACTCTGGGCTGGGCC
 TCTGCTTTTCTGGGCTGACGTAAGCGTTCTGCTCATTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG218576 representing NM_052819
 Red=Cloning site Green=Tags(s)

MVSSCELELQEQLRTASDQESGDEELNRLKEENEKLRSLTFSLAEKDILEQSLDEARGSRQELVERIHS
 LRERAVAAERQREQYWEEKEQTLQFQKSKMACQLYREKVNALQAQVCELQKERDQAYSARDSAQREISQ
 SLVEKDSLRRQVFELTDQVCELRTQLRQLQAEPGVLKQEAARTREPCPREKQRLVRMHAI CPRDDSDCSL
 VSSTESQLLSDLSATSSRELVDSFRSSPAPPSQQSLYKRVAEDFGEEPWSFSSCLEIPEGDPGALPGAK
 AGDPHLDYELLDTADLPQLESSLQPVSPGRLDVSESGVLMRRRPARRILSQVTMLAFQGDALLEQISVIG
 GNLTGIFIHRVTPGSAADQMALRPGTQIVMVSRRARPLLSPGLLMGTVAAGGVTQADFTSPRRCRSTLGWA
 SALSWADVKRSAHL

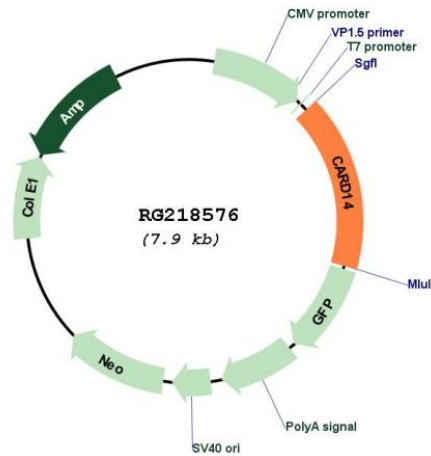
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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
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]