

## Product datasheet for SC106244

### CARD14 (AL833696) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CARD14 (AL833696) Human Untagged Clone
Tag:	Tag Free
Symbol:	CARD14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AL833696, the custom clone sequence may differ by one or more nucleotides

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GTGAGGCAGCTCTCGGCCAGAAGCACGTGCTGGAGCCTGCGGAGGAGAGGATCCTGAGGGTGGGTGAGG
CTGCGGCAGCCCCAGCCAGCCTACCCTGCCCGGGAGGGACTGGGTCTGCTTTGCTCACTGCAGCAGCC
CCAGCACCTAGAATTCAGGGGCACAGGCTCAGCGGTACAGGACTCACTCCCAGTTCCATAGCCCTGG
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TTAATCCTGTTTCTATAGGCCAAGGGAGGATGGCGGAAGCCAGGGTTTTCTTCCTTCAAAGGATCTG
GGAGAGTGGCACCTTCTCCTCAGCCATCCTCCAGGGCACAGGGTCTCAGCCCTCCCTGTCTGTACT
CCTCTCCTGAAATTTTTTTTTTCTGAGACAGATTTTGTCTTATTGCCAGGCTGGAGTCAATGGCA
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TGGCATCCCCCTGCCCCAGCTGACCAACTAGCAGCAGCTCCCAAAGCCCTTACCCTGCTGGAGCCAGCG
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ATGGGGTGTGAGCTCAACTCCTGCTTTCTAGCACTGTGCGTTCGTCAGTCTGAACTTGGAGCCT
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CCCATAGGCTGATCTAGAACAATGGTTTCCTTTCTTTTTTTTTTTTTTTGAGACAGAGTCTCACTCTGT  
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TCCTGCCTCAGCCTCTGAGTAGCTGGGATTACAGGCACCTGCCACCACGCCAGCTAAGTTTTTTGTGT  
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GAGCTGATAATTGGGAACCTTAAGAGCAGGGTTCCCAACCCCTGGGCCACATACTGGTACTGGTCCATG  
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AGATGGGACCGTCTAGTTGCAGGAAAACAAGCTCAGGGCTCCCACTGATTCTGAATTATGGTTCAAGTGA  
TGATTTCTTATTACATATTACAGTGTAATAATAATAAGAAATAAAGTGTACAATCAAAAAAAAAAAAAAA  
AA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for AL833696 unedited  
 GAACTCGGAATTNAAAACCAGAGTCACTATAGGCGGCCGCAATTTCGCACCAGGCCACA  
 GATGATCCCAGATACGAGCCTCTGCGAGGAAGGTTGCAGAAAATTAAAGTAGGAGAGAA  
 GGAAGGACCTCCCAGTCTCAGAAGCTGCTCTGGCACTGTAGTCAGTGGGTGGGAGGTTT  
 CCAGCTGGCTTGGGGCCTCCTGGGGACCTGGGGCACATTTTTTTTATCCTCTCTTGGC  
 TCTGGGGTCCCTGGCTGCTGGCGTGCAGAAGAACCACCAGGGACTTAAGGGTCATGGA  
 GTCTGGCCAGGCAGTGTGCACACGAGAGGAGTGGTATGTGTACCGTCCGTGTTGACCTT  
 CACAGACAGGCAGCAGAAGCCGTCCACCCTCTGAGAAGCCCCACGGCCTCCTCCAGGGT  
 CGTGTCTCCAGGACTGCCTTGAACAAGGGCTCTGAGGCTTCGTAACTCAACCTGAGGGCA  
 AGTCGAGAAGGTCACTCTTTTCCCCGGGACTCTGAATCCAGCCAGAAGGCAGAAGGCG  
 CTGAGGGCACTGAGGCGAGGCGGGCCAGCCCTGCCGTAGGACCACTGCCTGCACGCTT  
 TGGTCAAAACAAGCCACACACCAGAGCCTCTGTGGGGCCTTACACCTCTAGTGATGCG  
 TGCTACACATAGTGTGGCCAGAGTCAACTGCCAACCTTCCCAGTCGAGATCGNG  
 GTTCTTTGTGATAAGCACTTTCCTGTCTTTGAAAAGAAAAGAAAAGAAAAGAACCTCG  
 GNTCTAGAACATTCAAGAGCATTCTAGATAGAGGTTNNCTTAGCCTTGGGATCATTCTGT  
 GCTGCTCGGGCTATACGGGCCTACAGATGCTGAGTGCATNCCTGGNCTTCACTACCCG  
 ATGCTGGTCTNACCACANCTCCCACTGGAANGCCACCNCAGGCTTNCAC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for AL833696 unedited  
 GGACATCTGGNTCGTGCCCACTGAAGATTCTGTTTTTTTTTTTTTTTTTTTATTGTA  
 CACTTTATTCTATTATTATTACACTGTAATATGTAATGAAAGAATCATACACTGAACCA  
 TAATTCATAATCAGTGGGAGCCCTGAGCTTGTTTTCTGCAACTAGACGGTCCCATCTGG  
 GGTGATGGGAGACGGTAACAGATCATCAGGAATTATATTCTCATAAGGAGCGTGAAACC  
 TAGATCCCTCACGTGCACAGTTCACGATAGGGCTCATGCTCCTCTGAGAATCTACTGCTG  
 TGCTGAGCTGACAGGAGGTGGAGCTGAGGCCGTAATGCTCACTCGCCACCACGCCCTC  
 CTGCTGTGTGACCCGGTCTGATGGACCATGGACCAGTACCAGTATGTGGCCAGGGGT  
 TGGGGAACCTGCTTAAAGTTCCCAATTATCAGCTCTGAGGTAGTTCAAGCAACAGAG  
 CCCCTTGACGATGTTCAAGGAGATAGTCCCAATATCCTAAGGGGGCAATTAGATTCTAA  
 TGGTGTTAAAACACATCTTAATTTTTATTGTAATAATATCTACTCTCCTAAGCTTAGAAC  
 AATATTGAGAAGAAATGAAGTGGATGGTGGAAAGCCCTGGGGGGTGGGCCTTACAGTG  
 GGAATGCTGTGGGTGGAGGCCAGGGCATCGGGTAGGTGAAGGCCAGGGATGCCACTCA  
 GCATCCTGTATGGCCCGGTATAGCCCGCAGCAGACAGAATGATCCCAGGCTAAGAAAC  
 CTCTATCTAGAATGCTCTTGGATGTTCTAGAACCAGGGTCTTCTTTTCTTTTCTTNNCT  
 TTTTCAAGACAGAAAATGCCTATCACAAGAACCCTCCGATCTCGACTGGGG

**Restriction Sites:**

NotI-NotI

**ACCN:**

AL833696

**Insert Size:**

1500 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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:** [AL833696.1](#)

**RefSeq Size:** 4412 bp

**RefSeq ORF:** 4412 bp

**Locus ID:** 79092

**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]