

## Product datasheet for **SC305100**

### CARD14 (NM\_024110) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CARD14 (NM\_024110) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CARD14  
**Synonyms:** BIMP2; CARMA2; PRP; PSORS2; PSS1  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_024110 edited  
TGACTTCAGGCTCTTCTCTGCCCCAGCTCCGTCCCACCCAGCAGCCCGCAGAGAAAGGA  
GGCAGCTGGCACCACACTGGGCTTTGGAGACACTGCGGGGACTGTGGACCCACCCTGTG  
GCACGGAGCTCCTGCAAAGCAAACCTGAGAACCTTGGGTCTCCAGCGCCAGCCATG  
GGGAACTGTGCCGACGGGACTCCGCACTCACGGCACTGGACGAGGAGACTGTGGGAG  
ATGATGGAGAGCCACCGCCACAGGATCGTACGCTGCATCTGCCCCAGCCGCTCACCCCC  
TACCTGCGCCAGGCCAAGGTGCTGTGCCAGCTGGACGAGGAGGAGGTGCTGCACAGCCCC  
CGGCTCACCAACAGCGCCATGCGGGCCGGGCACTTGTGGATTTGCTGAAGACTCGAGGG  
AAGAACGGGGCCATCGCCTTCTGGAGAGCCTGAAGTTCCACAACCTGACGTCTACACC  
CTGGTCACCGGGCTGCAGCCTGATGTTGACTTCAGTAACTTTAGCGGTCTCATGGAGACA  
TCCAAGCTGACCGAGTGCCTGGCTGGGGCCATCGGCAGCCTGCAGGAGGAGCTGAACCAG  
GAAAAGGGGCAGAAGGAGGTGCTGCTGCGCGGTGCCAGCAGCTGCAGGAGCACCTGGGC  
CTGGCCGAGACCCGTGCCGAGGGCTGCACCAAGCTGGAGGCTGACCACAGCCGCATGAAG  
CGTGAGGTTAGCGCACACTTCCATGAGGTGCTGAGGCTGAAGGACGAGATGCTCAGCCTC  
TCGCTGCACTATAGCAATGCGCTGCAGGAGAAGGAGCTGGCCGCCTCACGCTGCCGACG  
CTGCAGGAGGAGCTGTATCTACTGAAGCAGGAGCTGCAGCGAGCCAACATGGTTTCTCC  
TGTGAGCTGGAATTGCAAGAGCAGTCCCTGAGGACAGCCAGCAGCAGGAGTCCGGGGAT  
GAGGAGCTGAACCGCCTGAAGGAGGAGAATGAGAACTGCGCTGCTGACTTTACGCCTG  
GCGGAGAAGGACATTCTGGAGCAGAGCCTGGACGAGGCGGGGGAGCCGACAGGAGCTG  
GTGGAGCGCATCCACTCGCTGCGGGAGCGGCCGTGGCTGCCGAGAGGCAGCGAGAGCAG  
TACTGGGAAGAGAAGGAACAGACCCTGCTGCAGTTCAGAAAGAGTAAGATGGCCTGCCAA  
CTCTACAGGGAGAAGGTGAATGCGCTGCAGGCCAGGTGTGCGAGCTGCAGAAGGAGCGA  
GACCAGGCGTACTCCGCGAGGGACAGTGTCTCAGAGGGAGATTTCCAGAGCCTGGTGGAG  
AAGGACTCCCTCCGACGGCAGGTGTTTCGAGCTGACGGACCAGGTCTGCGAGCTGCGCACA  
CAGCTTCGCCAGCTGCAGGCAGAGCCTCCGGGTGTGCTCAAGCAGGAAGCCAGGACCAGG  
GAGCCCTGTCCACGGGAGAAGCAGCGGCTGGTGCAGGATGCATGCCATCTGCCCCAGAGAC  
GACAGCGACTGCAGCCTGCTCAGCTCCACAGAGTCTCAGCTCTTGTCCGACCTGAGTGCC



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ACGTCCAGCCGCGAGCTGGTGGACAGCTTCCGCTCCAGCAGCCCCGCGCCCCCAGCCAG  
 CAGTCCCTGTACAAGCGGGTGGCCGAGGACTTCGGGGAAGAACCCTGGTCTTTCAGCAGC  
 TGCTGGAGATCCCGGAGGGAGACCCGGGAGCCCTGCCGGGAGCTAAGGCAGGCGACCCA  
 CACCTGGATTATGAGCTCCTAGACACGGCAGACCTTCCGAGCTGGAAAGCAGCCTGCAG  
 CCACTCTCCCCTGGAAGGCTTGTGTCTCGGAGAGCGGCTCCTCATGCGGCGGAGGCCA  
 GCCCGCAGGATCCTGAGCCAGGTACCATGTGCGCTTCCAGGGGATGCATTGCTGGAG  
 CAGATCAGCGTCATCGGCGGGAACCTCACGGGCATCTTCATCCACCGGGTCACCCCGGGC  
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 GCCTCAGAGCCCTTGTTCAAGGCAGTCTGGAGGACACGACCCTGGAGGAGGCCGTGGGG  
 CTTCTCAGGAGGGTGGACGGCTTCTGCTGCCTGTCTGTGAAGGTCAACACGGACGGTTAT  
 AAGAGGCTACTCCAGGACCTGGAGGCCAAAGTGGCGACCTCGGGGGACTCATTCTACATC  
 CGGGTCAACCTGGCCATGGAGGGCAGGGCCAAAGGGGAGCTGCAGGTGCATTGCAACGAG  
 GTCCTGCACGTCACCGACACCATGTTCCAGGGCTGCGGCTGTGGCATGCCACCGCGTG  
 AACTCTTACACCATGAAGATACTGCCGCGCACGGCACCATCCCCAACTACTCCAGGGCT  
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 CCATCTTCTGGGGGACCACAGAAGCTGGTCCGCATCGTCAAGTATGGACAAGCCAAGGCC  
 AGCCCTCTGCGTTTGTCTTTGACAGGGGCCAGTTGGACCCAGCAGGATGGAGGGCTCC  
 AGCACGTGCTTCTGGGCCGAGAGCTGCCTCACCCCTGGTGCCTATACCCTGGTGTGGCC  
 CATCGACCCGCCCCGGCCCCGGCCTGTGCTCCTCGTGCCAGGGCGGTTGGGAAGTCTTG  
 AGCGAGAAACTGTGCCTCCTCAAGGGTTAAGAAGTGCCTGGCAGAGTACTTGAGCCAG  
 GAGGAGTATGAGGCTGGAGCCAGAGAGGGGACATCATCCAGGAGGGAGAGGTGTCCGGG  
 GGCCGCTGCTGGTGACCCGCCATGCTGTGGAGTCCCTCATGGAAAAGAACCCCATGCC  
 CTCTGGACGTCCAGCTGGACAGTGTCTGCACCCTGCACAGGATGGACATCTTCCCCTC  
 GTCATCCACGTCTGTCAACGAGAAGATGGCAAAGAAGCTCAAGAAGGGCCTACAGCGG  
 TTGGGCACCTCAGAGGAGCAGCTCCTGGAGGCTGCGAGGACAGGAGGGAGACCTGGAC  
 CGGGCGCCCTGTCTATACAGCAGCCTGGCTCCTGACGGCTGGAGCGACCTGGACGGCCTG  
 CTCAGCTGTGTCCGCCAGGCCATCGCCGACGAGCAGAAGAAGTGGTGTGGACGGAGCAG  
 AGCCCCGATGATGCACCGTGCCCTTCCCGGGACTGTGGGGCTTCTGTGTGCCTGTTA  
 ATGCACTCTGTTCTCAGCCAGGCCCTTGGCACAGCTGTGGGCTCCTTGGCACATG  
 AGGCCGGCTCTCCCCACTGGCTGGGTCTAACCTTGAACCCTCACACGTGCAGGTACA  
 CACAGTGAAGCCACTTGAACCTGCACACTTTTCTGTGAAACATCTTACCCTTTACCAG  
 GCTTGGCATGGTCTGAACCTGAAACCCTGAGAATGTTTCTGCAGTAGGACAGGAGGGACA  
 TCTTCCATGCCTTCCCTAGAACCAGGAGGCCCGGACTTCTCTGAAAACCGCCTGTCTG  
 CAGGCCGATTCAAATCTATGGGGGCTGCACTTCCCTTTTACATTTTGTGTCAAAGG  
 CTTTTGGAGTGACAAAAGCACAGAGGCAGCGGGTGGGGCGCCTGGGTGGTCCCCAAGGT  
 CGCTGCCACCCTTGCCCGGGGCAGAGGCATAAGCCACATATGCTGTGACGCTGGCCACC  
 TTTTCTCAGCTTCTGAGGCTGCGATGCCTCAGGAACTCCAGTTTACAGAGACCAGTGTGT  
 TTACTTGTAATAAAGCCTCTGGGTGGTGGAGACGGTACTTTAGTGGTCTGTGCCCG  
 TGGCCCCGTGCCTGTTTCGGTGGGGGTGCCAGAGAAGCCTGGCACCAGTACCCCGTA  
 CAAGGCCAGCGGACTCTGCCTTCCCCTGACCTGGCTTTGCACCCAGCCCTTCTTGGGC  
 CAAACATCTTTACTCCACCTTCAGGGCTCGGGGAGGACCCAGGTCCCCAGCACCTGGCC  
 TTGCCCTGCCTCCTGGGGCTGTTGCAGACTGAATGTCATTTTGCAGCAGTGTCCAAGA  
 ATCAGGAAGCTGTTCTAGAATTCAGGTTGGTATCATATAAATGAGTTCAGAAAAAGAAC  
 TTCTGTATATTTTACTAAAATAAAAAGCTTTTACAATAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_024110  
**Insert Size:** 4200 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_024110.2.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_024110.2</a> , <a href="#">NP_077015.1</a>
<b>RefSeq Size:</b>	3917 bp
<b>RefSeq ORF:</b>	3015 bp
<b>Locus ID:</b>	79092
<b>UniProt ID:</b>	<a href="#">Q9BXL6</a>
<b>Cytogenetics:</b>	17q25.3
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Variants 1 and 5 encode the same isoform. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>