

## Product datasheet for **SC122373**

### **CARD14 (BC018142) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CARD14 (BC018142) Human Untagged Clone
Tag:	Tag Free
Symbol:	CARD14
Synonyms:	bcl10-interacting maguk protein 2; BIMP2; CARD-containing MAGUK 2 protein; card-maguk protein 2; CARMA2; caspase recruitment domain family, member 14; caspase recruitment domain protein 14
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:**

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>OriGene sequence for BC018142 edited
TGACTTCAGGCTCTTCTTCTGCCAGCTCCGTCCCACCCAGCAGCCCGCAGAGAAAGGA
GGCAGCTGGCACCACACTGGGCTTTGGAGACTGCGGGGACTGTGGACCCACCCCTGCT
GCACGGAGCTCCTGCAAAAGCAAACCTGAGAACCTTGGGTCTCCAGCGCCAGCCATG
GGGAACTGTGCCGAGGACTCCGCACTCACGGCACTGGACGAGGAGACTGTGGGAG
ATGATGGAGAGCCACGCCACAGGATCGTACGCTGCATCTGCCAGCCGCCTCACCCCC
TACCTGCCAGGCCAAGGTGCTGTGCCAGCTGGACGAGGAGGAGGTGCTGCACAGCCCC
CGGCTCACC AACAGCGCCATGCGGGCCGGCACTTGTGGATTTGCTGAAGACTCGAGGG
AAGAACGGGGCCATCGCCTTCTGGAGAGCCTGAAGTTCACAACCCCTGACGTCTACACC
CTGGTCACCGGGCTGCAGCCTGATGTTGACTTCAGTAACTTTAGCGGTCTCATGGAGACA
TCCAAGCTGACCGAGTGCCTGGCTGGGGCCATCGGCAGCCTGCAGGAGGAGCTGAACCAG
GAAAAGGGGCAGAAGGAGGTGCTGCTGCGGCGGTGCCAGCAGCTGCAGGAGCACCTGGGC
CTGGCCGAGACCCGTGCCGAGGGCCTGCACCAGCTGGAGGCTGACCACAGCCGCATGAAG
CGTGAGGTTAGCGCACACTTCCATGAGGTGCTGAGGCTGAAGGACGAGATGCTCAGCCTC
TCGCTGCACTATAGCAATGCGCTGCAGGAAAAGGAGCTGGCCGCCTCACGCTGCCGAGC
CTGCAGGAGGAGCTGTATCTACTGAAGCAGGAGCTGCAGCGAGCCAACATGGTTTCTCC
TGTGAGCTGGAATTGCAAGAGCAGTCCCTGAGGACAGCCAGCAGCCAGGAGTCCGGGGAT
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GCGGAGAAGGACATTCTGGAGCAGAGCCTGGACGAGGCGCGGGGAGCCGACAGGAGCTG
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TACTGGGAAGAGAAGGAACAGACCCTGCTGCAGTTCAGAAAGAGTAAGATGGCCTGCCAA
CTCTACAGGGAGAAGGTGAATGCGCTGCAGGCCAGGTGTGCGAGCTGCAGAAGGAGCGA
GACCAGCGTACTCCGCGAGGGACAGTGTGCTCAGAGGGAGATTTCCAGAGCCTGGTGGG
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CAGCTTCCGAGCTGCAGGACAGCCTCCGGGTGTGCTCAAGCAGGAAGCCAGGACCAGG
GAGCCCTGTCCACGGGAGAAGCAGCGGCTGGTGCAGGATGCATGCCATCTGCCCCAGAGAC
GACAGCGACTGCAGCCTCGTCAGCTCCACAGAGTCTCAGCTTTGTGCGACCTGAGTGCC
ACGTCCAGCCGAGCTGGTGGACAGCTTCCGCTCCAGCAGCCCCGCGCCCCCAGCCAG
CAGTCCCTGTACAAGCGGTGGCCGAGGACTTCCGGGAAGAACCCTGGTCTTTCAGCAGC
TGCTGGAGATCCCGGAGGGAGACCCGGGAGCCCTGCCGGGAGCTAAGGCAGGCGACCCA
CACCTGGATTATGAGCTCCTAGACACGGCAGACCTTCCGAGCTGGAAGCAGCCTGCAG
CCAGTCTCCCCTGGAAGCTTGATGTCTCGGAGAGCGGCTCCTCATGCGGCGGAGGCCA
GCCCGCAGGATCCTGAGCCAGGTACCATGCTGGCGTTCCAGGGGGATGCATTGCTGGAG
CAGATCAGCGTATCGGCGGGAACCTCACGGGCATCTTCCATCCACCGGGTCAACCCGGGC
TCGGCGGCGGACAGATGGCCTTGCGCCGGGCACCCAGATTGTGATGGTTGATTACGAA
GCCTCAGAGCCCTTGTCAAGGCAGTCTGGAGGACACGACCCTGGAGGAGGCGGTGGGG
CTTCTCAGGAGGGTGGACGGCTTCTGCTGCCTGTCTGTGAAGGTCAACACGGACGGTTAT
AAGAGGCTACTCCAGGACCTGGAGGCCAAAGTGGCGACCTCGGGGACTCATTCTACATC
CGGCTCAACCTGGCCATGGAGGGCAGGGCCAAAGGGGAGCTGCAGGTGCATTGCAACGAG
GTCTGCACGTACCCGACACCATGTTCCAGGGCTGCGGCTGCTGGCATGCCACCCGCGTG
AACTTTACACCATGAAGGATACTGCCGCGCACGGCACCATCCCCAACTACTCCAGGTGA
GCAGCTGCCTCGAGCTCGGTGCGTCCCCAGAGAGGCCACAGGGAAATGGCACCCAGCCT
GCCTCGGTTCTCTCTCTGCCAGCAATAGAGGGTGGCGTGGTGGAGACCCCTAAGG
AGGGAAGCCTGCCAAGATCACTGCTGAAGATGTTGTTTCTTTGTGATGGATGCTTTATAT
ATTGCAAATGAAATGTTTCATTCTAGAAAAAAAAAAAAAAAAAAAA
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC018142 unedited GCCACTCCCGGGNAATCGTCGACCCTCGCGTCCGTGACTTCAGGCTCTTCCTTCTGCCCA GCTCCGTCCCACCCAGCAGCCCGCATAGAAAGGAGGCAGCTGGCACCACACTGGGCTTTG GAGACTGCGGGGACTGTGGACCCACCCTGCTGCACGGAGCTCCTGCAAAAAGCAAACC TGAAACCTTTGGTCTCCAGCGCCAGCCATGGGGAACTGTGCCGCATGGACTCCGC ACTCAGGCCTGGACGAGGAGACTGTGGGAGATGATGGAGAGCCACCGCCACAGGAT CGTACGCTGCATCTGCCAGCCGCTCACCCCTACCTGCGCCAGGCCAAGGTGCTGTG CCAGCTGGACGAGGAGGTGCTGCACAGCCCCGGCTACCAACAGCGCCATGCGGGC CGGGCACTTGCTGGATTTGCTGAAGACTCGAGGGAAGAACGGGGCCATCGCCTTCTGGA GAGCTGAAGTTCACAACCCTGACGTCTACACCCTGGTCACCGGGCTGCAGCCTGATGT TGACTTCAGTAACTTTAGCGGTCTCATGGAGACATCCAAGCTGACCGAGTGCCTGGCTG GGCCATCGGCAGCCTGCAGGAGGAGCTGAACCATGAAAAGGGGCATAAAGAGGTGCTGCT GCGGGGTGCCAGCAGCTGCAGGAGCACCTGGGCTGGCCGAGACCCGTGCCGAGGCT GCACCATCTGGAGGCTGACCACAGCCGCATGAAGCGTGAGTTAGCGCACACTTCCCATG AGTGTGGAGCTGGAAGACCAGATGCTCANCCTCTCGCTGCACTTAGCAATGCGCTGCA GAAAAGGACTGCC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC018142
<b>Insert Size:</b>	2621 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>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>	<u><a href="#">BC018142.1</a></u> , <u><a href="#">AAH18142.1</a></u>
<b>RefSeq Size:</b>	2621 bp
<b>Locus ID:</b>	79092
<b>Cytogenetics:</b>	17q25.3
<b>Protein Families:</b>	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]