

## Product datasheet for **SC318529**

### CARD11 (NM\_032415) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CARD11 (NM_032415) Human Untagged Clone
Tag:	Tag Free
Symbol:	CARD11
Synonyms:	BENTA; BIMP3; CARMA1; IMD11; IMD11A; PPBL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032415, the custom clone sequence may differ by one or more nucleotides

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ATGCCAGGAGGAGGGCCAGAGATGGATGACTACATGGAGACGCTGAAGGATGAAGAGGACGCCTTGTTGGG
AGAATGTGGAGTGAACCGGCACATGCTCAGCCGCTATATCAACCCTGCCAAGCTCACGCCCTACCTGCG
TCAGTGTAAAGTCATTGATGAGCAGGATGAAGATGAAGTGCTTAATGCCCTATGCTGCCATCCAAGATC
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CATTGTGGTGGAGGAAGGCCACGAGGGCCTCACGCACTTCTGATGAACGAGGTCATCAAGTGCAGCAG
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AGCAGATGACGCTGACGCGCGTGGAGCTGCTAACCTTCCAGGAGCGGTAACAAGATGAAGGAAGAGCG
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CTCCTGCGGATCTCTGCCCATCACCAACTCCTTACCAAGATGCAGCCCCCGGAGCCGACGAGCATC
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TACGACCTGGAGCAGGTCAACCTCATGTTCAAGAAATTTCTCTCTGAAAGACCCTTCCGGCCTTCGGTCA
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CCCACCGTGTGGCAAGACGCTGGTGCAGAGGCTGCTCAACTCGGGAGGTGCCATGGAGTTCACCATCT
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AGAGAAGAACCCCAACGCGTTCGAATGCATCGCCCTGCCAACATTGAAGCTGTGGCCGCAAGAACAAG
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TCTTCATCCGGGTGTGTGAGAAGAACATCAAGAGGTTTCAGAAAGCTGCTGCCCCGACCTGAGACGGAGGA
GGAGTTCCTGCGCGTGTGCCGGCTGAAGGAGAAGGAGCTGGAGGCCCTGCCGTGCCTGTACGCCAGGGT
GAACCTGACATGTGGGCAGCGTAGAGGAGCTGCTCCGCTTGTCAAGGACAAGATCGGCGAGGAGCAGC
GCAAGACCATCTGGGTGGACGAGGACCAGCTGTGA
    
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**Restriction Sites:**

Please inquire

**ACCN:**

NM\_032415

**OTI Disclaimer:**

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<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="#">NM_032415.3</a></u> , <u><a href="#">NP_115791.3</a></u>
<b>RefSeq Size:</b>	4372 bp
<b>RefSeq ORF:</b>	3465 bp
<b>Locus ID:</b>	84433
<b>UniProt ID:</b>	<u><a href="#">Q9BXL7</a></u>
<b>Cytogenetics:</b>	7p22.2
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	B cell receptor signaling pathway, T cell receptor signaling pathway
<b>Gene Summary:</b>	<p>The protein encoded by this gene belongs to the membrane-associated guanylate kinase (MAGUK) family, a class of proteins that functions as molecular scaffolds for the assembly of multiprotein complexes at specialized regions of the plasma membrane. This protein is also a member of the CARD protein family, which is defined by carrying a characteristic caspase-associated recruitment domain (CARD). This protein has a domain structure similar to that of CARD14 protein. The CARD domains of both proteins have been shown to specifically interact with BCL10, a protein known to function as a positive regulator of cell apoptosis and NF-kappaB activation. When expressed in cells, this protein activated NF-kappaB and induced the phosphorylation of BCL10. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: Variants 1 and 2 encode the same protein.</p>