

Product datasheet for **SC328883**

CARD8 (NM_001184900) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CARD8 (NM_001184900) Human Untagged Clone
Tag:	Tag Free
Symbol:	CARD8
Synonyms:	CARDINAL; DACAR; DAKAR; NDPP; NDPP1; TUCAN
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001184900 edited
 ATGGAAAAAAGGAGTGTCCAGAAAAGAGTAGCAGCAGTGAGGAAGAGCTGCCGAGACGG
 GACAGTGGATCCAGTAGGAACATAGATGCATCCAACTCATTAGACTACAAGGATCACGG
 AAAGTGTGGTTGACAATAGCATACGGGAACTGCAATACAAAAAAGTGGAAATTTTTTT
 CAGGCTGAGGCCGTGTGTACAAATGATACGGTATACAGGGAGCTACCCTGTGTTCTGAG
 ACCCTTTGTGACATCTCACATTTTTTCCAAGAAGATGATGAGACAGAGGCAGGCCATTA
 TTGTTCCGTGCTGTTCCCTGAGTGTCAACTATCTGGGGGGGACATCCCAGTGTATCAGAA
 GAGCAGGAATCTTCAGAGGGACAAGATTACAGGAGACATTTGCTCAGAAGAGAATCAAATA
 GTTTCCTCTTATGCTTCTAAAGTCTGTTTTGAGATCGAAGAAGATTATAAAAAATCGTCAG
 TTTCTGGGCCTGAAGGAAATGTGGATGTTGAGTTGATTGATAAGAGCACAAACAGATAC
 AGCGTTTTGGTTCCCACTGCTGGCTGGTATCTGTGGTCAGCCACAGGCCTCGGCTTCTG
 GTAAGGGATGAGGTCACAGTGACGATTGCGTTTGGTTCTGGAGTCAGCACCTGGCCCTG
 GACCTGCAGCACCATGAACAGTGGCTGGTGGCGGCCCTTGTGTTGATGTCAGTGCAGAG
 CCAGAGGAGGCTGTCGCCGAAATCCACCTCCCCACTTCATCTCCCTCCAAGCAGGTGAG
 GTGGACGTCTCCTGGTTTCTCGTTGCCATTTAAGAATGAAGGGATGGTCTGGAGCAT
 CCAGCCCGGGTGGAGCCTTCTATGCTGCTGAAAGCCCAAGCTTCTCTGTATGGGC
 ATCCTGCTGCGGATCGCCAGTGGGACTCGCCTCTCCATCCCCATCACTTCCAACACATTG
 ATCTATTATACCCCCACCCGAAGATATTAAGTTCACCTTGTACCTTGTCCCCAGCGAC
 GCCTTGCTAACAAAGGCGATAGATGATGAGGAAGATCGCTTCCATGGTGTGCGCCTGCAG
 ACTTCGCCCCCAATGGAACCCCTGAACTTTGGTTCCAGTTATATTGTGTCTAATTCTGCT
 AACCTGAAAGTAAATGCCCAAGGAGTTGAAATTGCTACAGGAGCCCTGGAGAAATTCAG
 CACTTCTCAAAATCTATGCTGGGCAGATGAAGGAACCCATTCACTTGAGATTACTGAA
 AAAAGACATGGGACTTTGGTGTGGGATACTGAGGTGAAGCCAGTGGATCTCCAGCTTGT
 GCTGCATCAGCCCTCCTCCTTTCTCAGGTGCAGCCTTTGTGAAGGAGAACCACCGCAA
 CTCCAAGCCAGGATGGGGACCTGAAAGGGGTGCTCGATGATCTCCAAGACAATGAGTT
 CTTACTGAGAATGAGAAGGAGCTGGTGGAGCAGGAAAAGACACGGCAGAGCAAGAATGAG
 GCCTTGCTGAGCATGGTGGAGAAGAAAGGGACCTGGCCCTGGACGTGCTTTCAGAAGC
 ATTAGTGAAGGGACCCTTACCTCGTGCCTATCTTAGACAGCAGAAATTTGTAA

Restriction Sites: Please inquire

ACCN: NM_001184900

Insert Size: 1600 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).

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.

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: [NM_001184900.1](#), [NP_001171829.1](#)

RefSeq Size: 5291 bp

RefSeq ORF: 1614 bp

Locus ID: 22900

UniProt ID: [Q9Y2G2](#)

Cytogenetics: 19q13.33

Protein Families: Druggable Genome

Protein Pathways: NOD-like receptor signaling pathway

Gene Summary: The protein encoded by this gene belongs to the caspase recruitment domain (CARD)-containing family of proteins, which are involved in pathways leading to activation of caspases or nuclear factor kappa-B (NFkB). This protein may be a component of the inflammasome, a protein complex that plays a role in the activation of proinflammatory caspases. It is thought that this protein acts as an adaptor molecule that negatively regulates NFkB activation, CASP1-dependent IL1B secretion, and apoptosis. Polymorphisms in this gene may be associated with a susceptibility to rheumatoid arthritis. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, May 2010]
Transcript Variant: This variant (1) encodes the longest isoform (a, also referred to as T60). Variants 1 and 10 encode the same protein (isoform a). 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.