

Product datasheet for **SC331241**

CARD12 (NLRC4) (NM_001199138) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CARD12 (NLRC4) (NM_001199138) Human Untagged Clone
Tag:	Tag Free
Symbol:	NLRC4
Synonyms:	AIFEC; CARD12; CLAN; CLAN1; CLANA; CLANB; CLANC; CLAND; CLR2.1; FCAS4; IPAF
Vector:	pCMV6-Entry (PS100001)



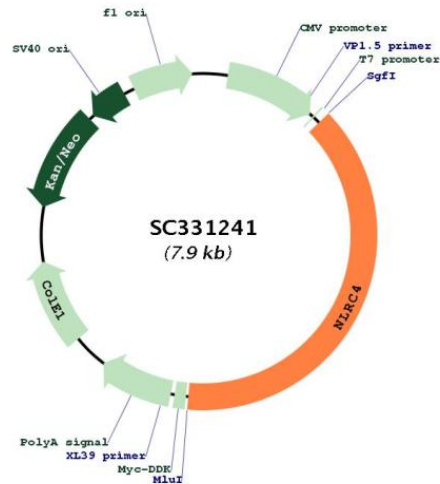
[View online »](#)

Fully Sequenced ORF: >SC331241 representing NM_001199138.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

ATGAATTCATAAAGGACAATAGCCGAGCCCTTATTCAAAGAATGGGAATGACTGTTATAAAGCAAATC
ACAGATGACCTATTTGTATGGAATGTTCTGAATCGGAAGAAGTAAACATCATTGCTGCGAGAAGGTG
GAGCAGGATGCTGCTAGAGGGATCATTCCACATGATTTTAAAAAGGGTTCAGAGTCCCTGTAACCTCTT
CTTAAATCCCTTAAGGAGTGAACATCCTCTATTTTCAGGACTTGAATGGACAAAGTCTTTTCATCAG
ACATCAGAAGGAGACTTGGACGATTTGGCTCAGGATTTAAAGGACTTGTACCATACCCCATCTTTCTG
AACTTTTATCCCTTGGTGAAGATATTGACATTTTTTAACTTAAAAAGCACCTTCACAGAACCTGTC
CTGTGGAGGAAGGACCAACACCATCACCGCTGGAGCAGCTGACCCTGAATGGCCTCCTGCAGGCTCTT
CAGAGCCCTGCATCATTGAAGGGGAATCTGGCAAAGGCAAGTCCACTCTGCTGCAGCGAATTGCCATG
CTCTGGGGCTCCGAAAGTGCAAGGCTCTGACCAAGTTCAAATTCGTCTTCTTCCGCTCAGCAGG
GCCCAGGTGGACTTTTTGAAACCCTCTGTGATCAACTCTGGATATACCTGGCACAATCAGGAAGCAG
ACATTCATGGCCATGCTGCTGAAGCTGCGGCAGAGGGTCTTTTCTTCTTGTGATGGCTACAATGAATTC
AAGCCCCAGAACTGCCAGAAAATCGAAGCCCTGATAAAGGAAAACCACCGCTTCAAGAACATGGTCATC
GTACCCTACCCTGAGTGCCTGAGGCACATACGGCAGTTTGGTGCCTGACTGCTGAGGTGGGGGAT
ATGACAGAAGACAGCGCCAGGCTCTATCCGAGAAGTGCTGATCAAGGAGCTTGTGAAAGGCTTGTG
CTCCAAATTCAGAAATCCAGGTGCTTGAGGAATCTCATGAAGACCCTCTCTTTGTGGTCATCACTTGT
GCAATCCAGATGGGTGAAAGTGAGTTCCTCTCACACACAAACAACGCTGTTCCATACCTTCTATGAT
CTGTTGATACAGAAAAACAACAACAATAAAGGTGTGGCTGCAAGTGACTTCATTTCGGAGCCTGGAC
CACTGTGGAGACCTAGCTCTGGAGGGTGTGTTCTCCACAAGTTGATTCGAAGTGCAGGATGTGTCC
AGCGTGAATGAGGATGTCTGCTGACAACCTGGGCTCCTCTGTAATATACAGCTCAAAGTTTAAAGCCA
AAGTATAAATTTTCACAAGTCAATCCAGGAGTACACAGCAGGACGAAGACTCAGCAGTTTATGACG
TCTCATGAGCCAGAGGAGGTGACCAAGGGGAATGGTACTTGCAGAAAATGGTTTTCCATTTTCGGACAT
ACATCCACTTATAGCAGCCTGCTCCGGTACACCTGTGGGTGCTGTTGGAAGCCACCAGGCTGTTATG
AAGCACCTCGCAGCAGTGTATCAACACGGCTGCCTTCTCGGACTTCCATCGCCAAGAGGCTCTCTGG
AGACAGGAATCTTTGCAAAGTGTAACCAACCACTGAGCAAGAAATCTGAAAGCCATAAACATCAAT
TCCTTTGTAGAGTGTGGCATCCATTTATATCAAGAGAGTACATCCAAATCAGCCCTGAGCCAAGAATTT
GAAGCTTTCTTTCAAGGTAAGCTTATATCAACTCAGGGAACATCCCCGATTACTTATTTGACTTC
TTTGAACATTTGCCAATTTGCAAGTGCCTGGACTTCATTAAGTGGACTTTTATGGGGAGCTATG
GCTTCATGGGAAAAGGCTGCAGAAGACACAGGTGGAATCCACATGGAAGAGGCCCGAAGAACCTACATT
CCCAGCAGGGCTGTATCTTTGTTCTTCAACTGGAAGCAGGAATCAGGACTCTGGAGGTCACACTCCGG
GATTTTCAGCAAGTTGAATAAGCAAGATATCAGATATCTGGGAAAAATATTCAGCTCTGCCACAAGCCTC
AGGCTGCAATAAAGAGATGTGCTGGTGTGGTGGGAAGCCTCAGTTTGGTCTCAGCACCTGTAAGAAC
ATTTATTTCTCATGGTGAAGCCAGTCCCCTCACCATAGAAGATGAGAGGCACATCACATCTGTAACA
AACCTGAAAACCTTGAGTATTATGACCTACAGAATCAACGGCTGCCGGTGGTCTGACTGACAGCTTG
GGTAACTTGAAGAACCTTACAAAGCTCATAATGGATAACATAAAGATGAATGAAGAAGATGCTATAAAA
CTAGCTGAAGGCCGTAACAACTGAAGAAGATGTGTTATTTTCAATTTGACCCACTTGTCTGACATTGGA
GAGGGAATGGATTACATAGTCAAGTCTCTGTCAAGTGAACCCTGTGACCTTGAAGAAATCAATTAGTC
TCCTGCTGCTTGCTGCAATGCAGTGAATACTAGCTCAGAATCTTCACAATTTGGTCAAACCTGAGC
ATTCTTGATTTATCAGAAAATACCTGGAAAAAGATGGAATGAAGCTTTCATGAAGTATCGACAGG
ATGAACGTGCTAGAACAGCTCACCGCACTGATGCTGCCCTGGGGCTGTGACGTGCAAGGCAGCCTGAGC
AGCCTGTTGAAACATTTGGAGGAGGTCCCACTCGTCAAGCTTGGGTTGAAAACTGGAGACTCACA
GATACAGAGATTAGAATTTTAGGTGCATTTTTTGGAAAGAACCCTCTGAAAACTCCAGCAGTTGAAT
TTGGCGGAAAATCGTGTGAGCAGTGTGGATGGCTTGCCTTATGGGTGATTTGAGAATCTTAAGCAA
TTAGTGTTTTTGACTTTAGTACTAAAGAATTTCTACCTGATCCAGCATTAGTCAGAAAACCTTAGCCAA
GTGTTATCCAAGTAACTTTTCTGCAAGAAGCTAGGCTTGTGGTGGCAATTTGATGATGATGATCTC
AGTGTATTACAGGTGCTTTTAACTAGTAACTGCTAA
  
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001199138

Insert Size: 3075 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: [NM_001199138.1](#)

RefSeq Size: 3371 bp

RefSeq ORF: 3075 bp

Locus ID: 58484

UniProt ID: [Q9NPP4](#)

Cytogenetics: 2p22.3

Protein Pathways: NOD-like receptor signaling pathway

MW: 116.2 kDa

Gene Summary:

This gene encodes a member of the caspase recruitment domain-containing NLR family. Family members play essential roles in innate immune response to a wide range of pathogenic organisms, tissue damage and other cellular stresses. Mutations in this gene result in autoinflammation with infantile enterocolitis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]

Transcript Variant: This variant (2) has an alternate 5' UTR exon and encodes the same protein, as compared to variant 1.