

Product datasheet for **SC212581**

CARD4 (NOD1) (NM_006092) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: CARD4 (NOD1) (NM_006092) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: NOD1
Synonyms: CARD4; CLR7.1; NLRC1
ACCN: NM_006092
Insert Size: 1141 bp
Insert Sequence: >SC212581 3'UTR clone of NM_006092
The sequence shown below is from the reference sequence of NM_006092. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGCATCGCC
GAAGATGAGAAGCGGATTATCTGTTTCTGAGGATGCTTTCCTGTTCATGGGGTTTTTGCCTGGAGC
CTCAGCAGCAAAATGCCACTCTGGGCAGTCTTTTGTGTCAGTGTCTTAAAGGGCCTGCGCAGGCGGGAC
TATCAGGAGTCCACTGCCTCCATGATGCAAGCCAGCTTCTGTGCAAGGCTGGTTCGCAAACTCCC
TAAGTACCCGCTACAATTCTGCAGAAAAAGAAATGTGTCTTGCAGCTGTTGTAGTTACAGTAAATACAC
TGTGAAGAGACTTTATTGCCTATTATAATTATTTTATCTGAAGCTAGAGGAATAAAGCTGTGAGCAAA
CAGAGGAGGCCAGCCTCACCTCATTCCAACACCTGCCATAGGGACCAACGGGAGCGAGTTGGTCACCGC
TCTTTTCATTGAAGAGTTGAGGATGTGGCACAAAGTTGGTGCCAAGCTTCTTGAATAAAACGTGTTGA
TGGATTAGTATTATACCTGAAATATTTTCTTCTCAGCACTTCCCATGTATTGATACTGGTCCCA
CTTCACAGCTGGAGACACCGAGTATGTGCAAGTGGGATTTGACTCCTCAAGTTTTGTGAAAGTT
AATGTCAAGGAAAGGATGCACCACGGGCTTTAAATTTAATCCTGGAGTCTCACTGTCTGCTGGCAAAG
ATAGAGAATGCCCTCAGCTCTTAGCTGGTCTAAGAATGACGATGCCTTCAAATGCTGCTCCACTCAG
GGCTTCTCCTCTGCTAGGCTACCCCTCCTCTAGAAGGCTGAGTACCATGGGCTACAGTGTCTGGCCTTGG
GAAGAAGTGATTCTGTCCTCCAAGAAAATAGGGCATGGCTTGGCCCTGTGGCCCTGGCATCCAATGG
CTGCTTTTGTCTCCCTTACCTCGTGAAGAGGGGAAGTCTTCTCCTGCCTCCCAAGCAGCTGAAGGGTGA
CTAAACGGGCGCCAAGACTCAGGGGATCGGCTGGGAAGTGGGCCAGCAGAGCATGTTGGACACCCCCCA
CCATGGTGGGCTGTGGTGGCTGCTCCATGAGGGTGGGGGTGATACTACTAGATCACTTGTCTCTTGC
CAGCTCATTGTTAATAAAAATACTGAAAACACTCTTA
ACGCGTAAGCGGCCGCGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-Mlul



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| OTI Disclaimer: | Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs). |
| Components: | The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials. |
| RefSeq: | NM_006092.4 |
| Summary: | This gene encodes a member of the nucleotide-binding oligomerization domain (NOD)-like receptor (NLR) family of proteins. The encoded protein plays a role in innate immunity by acting as a pattern-recognition receptor (PRR) that binds bacterial peptidoglycans and initiates inflammation. This protein has also been implicated in the immune response to viral and parasitic infection. Major structural features of this protein include an N-terminal caspase recruitment domain (CARD), a centrally located nucleotide-binding domain (NBD), and 10 tandem leucine-rich repeats (LRRs) in its C terminus. The CARD is involved in apoptotic signaling, LRRs participate in protein-protein interactions, and mutations in the NBD may affect the process of oligomerization and subsequent function of the LRR domain. Mutations in this gene are associated with asthma, inflammatory bowel disease, Behcet disease and sarcoidosis in human patients. [provided by RefSeq, Aug 2017] |
| Locus ID: | 10392 |
| MW: | 42.9 |