

Product datasheet for **SC337777**

CARD15 (NOD2) (NM_001293557) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CARD15 (NOD2) (NM_001293557) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOD2
Synonyms:	ACUG; BLAU; BLAUS; CARD15; CD; CLR16.3; IBD1; NLRC2; NOD2B; PSORAS1; YAOS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001293557, the custom clone sequence may differ by one or more nucleotides

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ATGTGCTCGCAGGAGGCTTTTCAGGCACAGAGGAGCCAGCTGGTCGAGCTGCTGGTCTCAGGGTCCCTGG
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GAAAGGAATGACACCATCTGGAAGTCTGGCTCCGAGGGAACACTTTCTCTAGAGGAGTTGACAAGC
TCGGCTGCAGGGACACCAGACTCTTGCTTGA
    
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Restriction Sites: Sgfl-MluI

ACCN:	NM_001293557
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:	<ol style="list-style-type: none">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_001293557.1 , NP_001280486.1
RefSeq Size:	4459 bp
RefSeq ORF:	3042 bp
Locus ID:	64127
UniProt ID:	Q9HC29
Cytogenetics:	16q12.1
Protein Families:	Druggable Genome
Protein Pathways:	NOD-like receptor signaling pathway
Gene Summary:	<p>This gene is a member of the Nod1/Apaf-1 family and encodes a protein with two caspase recruitment (CARD) domains and six leucine-rich repeats (LRRs). The protein is primarily expressed in the peripheral blood leukocytes. It plays a role in the immune response to intracellular bacterial lipopolysaccharides (LPS) by recognizing the muramyl dipeptide (MDP) derived from them and activating the NFKB protein. Mutations in this gene have been associated with Crohn disease and Blau syndrome. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jun 2014]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and lacks a portion of the 5' coding region, and initiates translation at a downstream AUG start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1.</p>