

Product datasheet for **RN215677**

Nod2 (NM_001106172) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nod2 (NM_001106172) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nod2
Synonyms:	Card15
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF:

>RN215677 representing NM_001106172

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

 ATGTGCTCACAGGAAGACTTCCAGGCCAGAGGAGCCAGCTGGTGGCACTGTTGGTCTCAGGGTCCCTGG
 AGGGCTTTGAGAGCATCTTAGACTGGCTGCTGTCTTGGATGTGCTCTCCAGGGAGGACTATGAGGGCCT
 CAGCCTCCCTGGGCAACCTCTCTCCATTCTGCCAGGCGTCTGCTGGACACAGTCTGCAACAAGGTGTT
 TGGGGCTGTCAGAAGCTCTTGAAGCTGTGAGGAGGCCAGGCCAACAGTACACCTTTGAACTGCAAG
 GGTGCTGGGACGTTCACTCCCTCATCCCAGAGACCTGCAGAGTACCCGGCCAGCAATTGTACGGAG
 GCTCTGCAGCCATGTAGAAGCCATATTGGAGCTGGCAAGGGATGAGGGGTTTCTGAGCCAGTACGAATGT
 GAGGAGATCAGGTTGCCAATCTTACATCATCCCAGAGGGCAAGAAGACTGCTTGATCTCGCCGAGTGA
 AGGCAATGGACTGGCCGCTTCTTCTACAGCACGTGAGAAATACCAGCCTCACTGTCTCTGCCTTA
 CGAGGCTGCTGAGTGTGAGAAGTCACTGCTAAGCTGAGGACCATGGTGTGAGTCACTCGCTTCTCTC
 AGTACTTACGATGGGTCGGAGAATCTTTCCTGGAGGATATCTACACGGAGAACACCTTAGAGCTGCCGA
 CAGAGGTGGGCACAGCGGGGCCTTGCAGAAGAGCCCTGCCACCTGGGCTGGAGGAACCTTTGGAAC
 CCACGGCCACCTGAACAAAGACGCCGACACTATACTGGTGGTGGGCGAAGCGGGCAGCGCAAGAGCACC
 CTTCTGCAACGTTTGACTTGTGTGGGCATCAGGGCAGAACTCCGAGAGTTCTCTTCAATTTCCCAT
 TCAGCTGCCGGCAGCTGCAATGCATGACCAACCTCTGTCCCTGAGGACACTGCTTTTGTAGCATTGCTG
 TTGGCCTGATGTCGGTCAGGATGACGCTTCCAGTTCTCCTTGACCATCCTGACCGTGTCTGTAAACC
 TTTGATGGCTGGATGAGTTCAAGTCCGGTTCACAGACCGGGAGCGCCACTGCTCTCCGCTCGACCCCA
 CGTCACTCCAGACTCTGCTTTTCAACCTTCTTTCAGGGAACTGCTGAAGAATGCCTGCAAGTACTGAC
 CAGCCGTCAGACGCCGTGTCAGCGCTCCTCAGAAAGTTCGTCCGGACAGAGTCCACCTTAAGGGCTTC
 TCCGAAGAGGGCATCAAACCTGTACCTGAGAAAGCACCACCGGAACCCGGGGTGGCAGACCGCCTATCC
 ACCTGATCCAAGCTACCTCAGCCCTGCACGGTTTGTGCCACCTCCCTGTCTTCTCATGGATGGTGTCCAG
 ATGTCACCGAGAGCTGTTGCTACAGAACAGGGGCTTCCCAACAACCAGCACGGACATGTACCTCTTGATC
 CTACAGCATTCTGCTGCACGCCTCCCTCCGGACTCCTTCCCCTTGGTCTGGGACCTGGACTCCTCC
 AAAGCCGGCTCTCACCCCTCTGCACCTTGCCACCTGGCTCTCCAGGGCCTGGCCATGAGCTGCTATGT
 GTTCTCAGCCCAGCAGCTGCAGGCACACAGGTGGACTCTGAGGATATTTCTTGGTTTCTGGTACGC
 GCCCAAAGTGTGGTGCCCGGAGCAAGGCACCCCTGGAATTCTTGACATTACCTCCAGTGTCTTTTTTG
 CCGCGTTCTACTTGGCTGTGAGTGTGACACATCGGCGGCTCTCTCAAGCACCTTTCAGCTGCGGCCG
 GCCGGGCAACTACTGCTGCTAAGGCTGCTGCCAACCTGTGTATCCAGGGCTCCAGAGTCAAGGGCGGC
 CAAGCAGCTCTGCTGCAGAAGGCTGAGCCGCACAACCTGCAGATCACAGCAGCCTTCTAGCGGGTCTGT
 TGTCCCAGCAGCATCGGGACCTGTTGGCTGCATGCCAGGTCCTGAGAGGGTGTGCTCCAGCGTCAGGC
 CCGTGCCCGCTCTGCTGGCACACAGCCTCCGGGAGCACTTCCATTCCATCCCGCCGGCCGTGCCCGGT
 GAGACCAAGAGCATGCATGCTATGCCCGGCTTCATTTGGTCTATCCGGAGCCTGTACGAGATGCAGGAG
 TGCAGTTGGCCCGGAGGCTGTCCGTGCTTGGACATTGGCACCTGAAGTTGACGTTTTGCAGGGTGG
 CCCTGCAGAGTGGCTGCCCTGGCCTTTGTGCTGCAGCATCTGCAGCGCCTGTGGCCCTGCAGTTGGAC
 CACAACCTCCGTTGGCGATGTCGGAGTGAACAGCTGCTGCCATGCCTCGGCGTCTGCACAGCTCTGACT
 TGCAGATAAACAACATCTCCGATCGAGGTGCCCGCACGCTGGTTGAGTGTGCTTTCGCTGTGAACAGCT
 GCAGAAGCTAGCTCTCTTCAACAACAACCTCACTGATGGCTGTGCTCCTCCGTGGCCAAGCTCCTTGCA
 CACAAGCAGAACTTCTATCTCTGAGGGTGGGGAACAATCACATCACTGCTGCTGGGGCTGAGGTGCTGG
 CCCAGGGACTCAAGAGCAACACCTCCCTGCAGTTCCTGGGTTCTGGGGCAACAGTGTAGGTGATAAGGG
 CTCCCAAGCCCTGGTGAAGTTGTGGCTGATCACCAGAGGCTAAAGTGGCTCAGCCTGGTAGGAAACAAC
 ATTGGCAGCGTGGGTGCCACGCCCTAGCCCTGATGCTGGAGAAGAACAAGTCACTAGAGGAGCT**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_001106172
Insert Size:	2799 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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).</p>
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:	<u>NM_001106172.1</u> , <u>NP_001099642.1</u>
RefSeq Size:	3625 bp
RefSeq ORF:	2799 bp
Locus ID:	291912
Cytogenetics:	19p11