

## Product datasheet for **MC204753**

### Nlr1 (NM\_178420) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nlr1 (NM\_178420) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nlr1  
**Synonyms:** BC034204; NOD9  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >BC050054

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CTTCCAACAGGGACGACCTGCGCCCGAGTTATTTTCTCTCCACGCTCCGTGTCTTCATCTGAAAATG
GGCTTCATCAAGTCCAGACTTGGAGGGCAACAGGAAAGAAAGTGGCTCTAAGTGTCCAGGCTCCAGTTT
TCCTAGGATGAGGTGGGCTGCCATTTGCCAGGACCTCTGGGGCTCTGGCCTGGGAAGAACACCCAG
CTACCAGATGAGCATATCTCCTTCTTGATCCAGTGGAGCTGGCCCTTTAAAGGGGTGCATCCCCTGAGGC
CCCCTAGGGCCTTTATCCGTTACCATGGAAGTCCGACAGACAGTCTCCCCACCAGGGAGGCATGGGCA
GCTGTTCCAGGAGCATCTGCCACAGAAGCTATCCAAAGGCATCGCCGGAACCTCACCGAGTGGTTAGC
CGACTGCCAGAGAGGAGCGCCAGTTTGGACCAACCTTTGCTCTAGACACAGTTCATGTTGACCCCGTGA
TCCGAGAGAGCACCCAGATGAGCTGCTCGCCCGTCCACGGAGCTGGCCACGGGGCATCAGCAAACCA
GGCAGGGCTCCCCCACTGGCCCTGTCTCAGCTTTTTGACCCGGATTCTGTGGGCGCCGCTGCAGACC
GTGGTGTGTATGGGACCGTGGGTACTGGCAAGAGCACGTTGGTACGGAAGATGGTCTTAGACTGGTGT
ACGGGAGACTGCCTGCCTTTGAGCTTCTCATCCCCTTCTCCTGTGAGGACTTGTGCATCCCTGGGCTCCAC
CCCAGCTTCCCTGTGCCAATTGTGACCAGCGTTACACACCCCTGAAAGAGGTGTTGCCCTGATGACT
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CAACCTGATTCAAATGCTCTCCCGAAGCTGGAGGGGCACCACCAGATTGCCGACGCTTCTTCTGCCT
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CAAGCATCTATACCAGCTTTCTACGCTGAACTTCAAGTGGGAAACACTGGACAGCACCCACAGTCCAA
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TACCTTCGTGTTACCGTGCCCGCATGCAGGAGTATCTGGCTGCCCTCTACAGCGTGTGGTTTGGCG
AAGACAGCCCTGCAGCGGTGGGCAAAGAAGTGGTTGAATTTGTGGCCGTGTTGGGAAGATGTCAGCC
TGGTATTGGGCATTGTGGCAAGCTGTTGCCCTGCGGATTCTGCCTCTGCTCTTCAACTGCTCAAGGT

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AGTTCGCGAGTGTGGGCGCATGGTGAAGAGCCGGGAGGCAGTGGCCAGGCCATGGTGCTGGAG
ATGTTCCGGGAGGAAGACTACTACAATGACGATGTTCTGGATCAGATGGGTGCCAGCATCTGGGTGG
AGGGCCCCCGGCGCCACCCAGATGAACCTCTGAGGATGAAGTCTTTGAGCTCTCCCATGTTTATGGG
CGGACTTCTCTGCCCCAACCCGGGGTGGTGGCTCAGCTGGCTGTCCCATCAAGAACCTGGATGCC
CTGGAGAATGCCAGGCCATCAAGAAGAAGCTGGGAAGCTGGTTCGGCAGGTGCTGCCCCCTCGGAGC
TTCTTGACCATCTCTTCCACTATGAGTTCAGAACCCAGCGCTTCTCAGCTGAGGTGCTGGGCTCCCT
ACGCCAGCTCAATTTAGCAGGGTGGCATGACACCCCTCAAGTGCACAGTGGTAGCCTGTACTGGGA
AGTGGAAGGCACCCCTGGATGAGGTGAACTTGGCTCCTGCCAGCTGGATCCCGCTGGGTACACACTC
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GGAGTGAACGTGGCCTACAACGGTGGTGGACAGTGGCTGGCTGGCTAAGGCTGCTCGGGAG
CACCTTCCCTGGAGCTGCTGCACCTCTACTTCAATGAGCTGAGTTCAGAGGGCCCGAGGTCTCGGG
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GTACTGGTCAAGTATCCTTAGTGAAGTCCAGCGCAACGTCCACAGCTGGGACCCGCTCCGGTCCAGAGG
CATCTCAAGTGTCTCCGTGATCTGGAGGACAGCCGGGGCGCCACCCTTAATCCCTGGCGCAAGGCTC
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TGACTGTGTGACAGAGCTGTGGGACCACTGGCTCCCTCTGTGGCTTCTGGCTTGTACAACCTTCCA
GAAAGATCCCTTAATTTGCGGTCAAAGCAATGGGTGAACTGTGCTGCCCCACCCCAACAAGTCCA
GCCTAGAGTCCCAAGGTCAAATGCGGTGAATTGATGTTGGACTGGATATGGAACATGTCACTTCTCC
TTAGCCTAGAAGGACTAAGGGTATGGCAGTATAGTGGCCACATTGCCCTGTGATGCCACCCAGTCTTG
CCTTCTCTCTGATTGTTTGTATGCTGGGGGTTCTGCCAGCCAGCAGATGACTGGACAGCTC
TCCATCGCTTACGCTACCTCTGGGCACAGAGTGGCCTCACACTGGTGGTCTTCCAGTCTCAATGC
ACAGGATCGATGGCTCCAAGGCTGCTAGGACAAGTGGGCCACCTTGGTGTATTAAAAAGCCGTGTGT
CTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAA

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**Restriction Sites:**

RsrII-NotI

**ACCN:**

NM\_178420

**Insert Size:**

2928 bp

**OTI Disclaimer:**

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](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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:** [BC050054](#), [AAH50054](#)

**RefSeq Size:** 3657 bp

**RefSeq ORF:** 2928 bp

**Locus ID:** 270151

**UniProt ID:** [Q3TL44](#)

**Cytogenetics:** 9 A5.2

**Gene Summary:** Participates in antiviral signaling.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.