

Product datasheet for **MR213664**

Nlr1 (NM_178420) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nlr1 (NM_178420) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nlr1
Synonyms:	BC034204; NOD9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR213664 representing NM_178420
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGTGGGGCTGCCATTTGCCAGGACCTCTGGGGCTCTGGCCTGGGAAGAACACCCAGCTACCAG
 ATGAGCATATCTCTTCTTGATCCAGTGGAGCTGGCCCTTAAAGGGGTGCATCCCTGAGGCCCTAG
 GGCTTTATCCGTTACCATGAAACTCGCAGACAGTGTCCCCACCAGGGAGGCATGGCAGCTGTT
 AGGAGCATCTCTGCCACAGAAGCTATCCAAAGGCATCGCCGGAACCTCACCGAGTGGTTAGCCGACTGC
 CCAGAGAGGAGCGCCAGTTTGGACCAACCTTGTCTAGACACAGTTCATGTTGACCCCGTATCCGAGA
 GAGCACCCAGATGAGCTGCTTCGCCCTCCACGGAGCTGGCCACGGGGCATCAGCAAACCCAGGCAGGG
 CCCCCCACTGGCCCTGTCTCAGCTTTTACCCGGATTCTGTGGGCGCCGCTGCAGACCGTGGTGT
 TGTATGGGACCGTGGTACTGGCAAGAGCACGTTGGTACGGAAGATGGTCTTAGACTGGTGTACGGGAG
 ACTGCCTGCCTTTGAGCTTCTCATCCCTTCTCCTGTGAGGACTTGTATCCCTGGGCTCCACCCAGCT
 TCCTGTGCCAACTTGTGACCCAGCGTTACACACCCCTGAAAGAGGTGTTGCCCTGATGACTGCTGCGG
 GATCCCGCCTGTCTTTGTGCTCCATGGCTTGGAGCGCCTCAACCTTGACTTCCGGCTGGCAGGCACAGG
 GCTTTGACAGTACCCGGAGGAACCCGGGCCACAGCTGCCATCATAGTCAACCTGCTGCGCAAATACATG
 CTTCCCGAGGCCAGCATTTCTGGTAACACCCGGCCTTCCACCATAGCCGAATCCCTAGCAAATATGTGG
 GCCGCTATGGTGAGATCTGTGGCTTCTGTATACCAACCTGCAGAAGCTCTACTTCCAGCTCCGCTTAA
 CCAGCCTGACTGTGGGTACGGTGTGGGGTGCAGTGTCTCAGTCACACCAGCTCAGCGGACAACCTG
 ATCAAATGCTCTCCCGAACTGGAGGGGCACCACAGATTGCCGAGCCTGCTTCTGCCTTCTATT
 GCTGGCTGTGTGCTACTTTGCACTTCTGATGCTCCACACCTGCTGGTGCAGACCTCACAACAT
 CTATACCAGCTTTCTACGCCTGAACTTCACTGGGGAAACACTGGACAGCACCCACACGTCCTAATCTATCC
 CTGATGTCCTATGCAGCCCGACTATGGCAAGCTGGCCTACGAGGGCGTGTATCCCGAAAGCCTACT
 TCTCTGAAGAGGATGTCCGTGGCTGCCTGGAAGCTGGCATCAAGACAGAGGAAGAGTTTCAACTGCTTCA
 GATCTTCCGAGGGACGCCCTGAGGTTTTTCTGGCCCGTGTGTGGAACCAGGGCACCTGGGTACCTTC
 GTGTTACCGTGGCCGCATGCAGGAGTATCTGGCTGCCCTCTACATCGTGTGGTTTGCGAAGACAG
 CCCTGCAGCGGTGGCAAGAAGTGGTGAATTTGTGGCCGTGTTGGGAAGATGTCAGCCTGGTATT
 GGGCATTGTGGCAAGCTGTTGCCCTGCGGATCTGCCTGTCTTCAACTTGTCAAGGTAGTTCGG
 CGAGTGTGGGGCATGGTGAAGTAAAGACCCGGAGGCAGTGGCCAGGCCATGGTGTGGAGATGTTCC
 GGGAGGAAGACTACTACAATGACGATGTTCTGGATCAGATGGGTGCCAGCATCCTGGGTGTGGAGGGCC
 CCGGCGCCACCCAGATGAACCTCTGAGGATGAAGTCTTTGAGCTTCCCCATGTTATGGGCGGACTT
 CTCTGCCCACAACCGGGCGGTGCTGGCTCAGCTTGGCTGTCCCATCAAGAACCTGGATGCCCTGGAGA
 ATGCCAGGCCATCAAGAAGAAGCTGGGAAGCTGGGTGGCAGGTGCTGCCCCCTCGGAGCTTCTTGA
 CCATCTCTTCCACTATGAGTTCAGAACACGCGTCTCAGCTGAGGTGCTGGGCTCCCTACGCCAG
 CTCAATTTAGCAGGGTGCAGTACACCCCTCAAGTGCACAGTGGTAGCCTCTGACTGGGAAGTGGAA
 GGCACCCCTGGATGAGGTGAACCTGGCCTCCTGCCAGCTGGATCCCGCTGGGCTACACACTCTCATGCC
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 AACGTGGCCTACAACGGTGTGGTACACAGTGGCTCTGGCCTTGGCTAAGGCTGCTCGGGAGCACCCCT
 CCCTGGAGCTGCTGCACCTCTACTTCAATGAGCTGAGTTCAGAGGGCCGCCAGGTCTGCGGGATTTGGG
 GGGCTCTGGTGAAGTGGTGGCCGGTCTGAGCCTCGTGACAGAAGGGACGGCGGTGTCTGAGTACTGG
 TCAGTGATCCTTAGTGAAGTCCAGCGCAACGTCCACAGCTGGGACCCGCTCCGGTCCAGAGGCATCTCA
 AGCTGCTGCTCCGTGATCTGGAGGACAGCCGGGGCCACCCTAATCCCTGGCGCAAGGCTCAGCTTCT
 CGGAGTGGAGGGGAGGTCAAGACTCTTCTGGAGCAGCTGGGAGTCTTGACAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR213664 representing NM_178420
 Red=Cloning site Green=Tags(s)

MRWGCHLPRTSWGSLGRTPQLPDEHISFLIQSWPFGVHPLRPPRAFIRYHGNSADSAPPPGRHGQLF
 RSISATEAIQRHRRNLTEWFSRLPREERQFGPTFALDTHVDPVIRESTPDELLRPFSTELATGHQQTQAG
 LPPLALSQLFDPDSCGRRVQTVVLYGTGTGKSTLVRKMLDWCYGRLPFAFELLIPFSCEDLSSLGSTPA
 SLCQLVTQRYTPLKEVLPMLTAAGSRLLFVLHGLERLNLDFRLAGTGLCSDEPEEPGPPAAIIVNLLRKYM
 LPEASILVTTRPSTISRIPSKYVGRYGEICGFSDTNLQKLYFQLRLNQPCGYGAGGASVSVTPAQRDNL
 IQMLSRNLEGHQIAAACFLPSYCWLVCATLHFLHAPTPAGQTLTSIYTSFLRLNFSGETLDSTHTSNLS
 LMSYAARTMGKLA YEGVSSRKTYFSEEDVRCLEAGIKTEEEFQLLQIFRRDALRFFLAPCPEPHLGTG
 VFTVPAMQEYLAALYIVLGLRKTALQRVGKEVVEFVGRVGEDVSLVLGIVAKLLPLRILPLLNNLKVVP
 RVFGRMVSKSREAVAQAMVLEMFREEDYNDVLDQMGASILGVEGPRRHPDEPSEDEVFELPFMFMGGL
 LSAHNRAVLAQLGCPKIKNLDAENAQAIAKKLGLGRQVLPSELLDHLFFHYEFQNRQSAEVLGSLRQ
 LNLAGVRMTPLKCTVVASVLGSRHPLDEVNLASCQLDPAGLHTLMPVLLRARKLGLQLNNLGPACRDL
 RDLLLHDQCQITTLRLSNNPLTAAGVGLLMDGLAGNTSVTHLSLLHTDLGDEGLELLAAQLDRNKQLQEL
 NVAYNGAGDTVALALAKAAREHPSLELLHLYFNELSSSEGRQVLRDLGGSEGGARVVASLTEGTAVSEYV
 SVILSEVQRNVHSDPLRVQRHLKLLLRLDLEDSRGATLNPWRKAQLLRVEGEVKTLLLEQLGGSGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

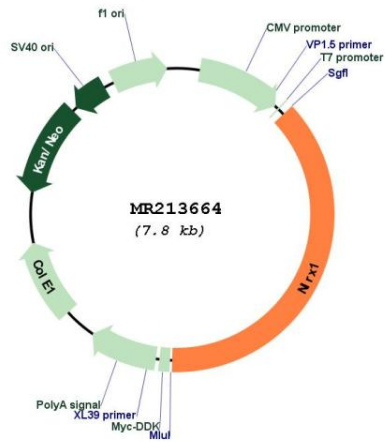


ACCN: NM_178420

ORF Size: 2925 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>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</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_178420.3 , NP_848507.2
RefSeq Size:	3694 bp
RefSeq ORF:	2928 bp
Locus ID:	270151
UniProt ID:	Q3TL44
Cytogenetics:	9 A5.2
MW:	107.8 kDa
Gene Summary:	Participates in antiviral signaling.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR213664