

Product datasheet for **MR213673**

Nlr1 (NM_001163743) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nlr1 (NM_001163743) 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:

>MR213673 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGGTGGGGCTGCCATTTGCCAGGACCTCTTGGGGCTCTGGCCTGGGAAGAACACCCAGCTACCAG
ATGAGCATATCTCCTTCTTGATCCAGTGGAGCTGGCCCTTAAAGGGGTGCATCCCTGAGGCCCTAG
GGCCTTTATCCGTTACCATGAAACTCGGCAGACAGTGTCCCCACCAGGGAGGCATGGCAGCTGTT
AGGAGCATCTCTGCCACAGAAGCTATCCAAAGGCATCGCCGGAACCTCACCGAGTGGTTAGCCGACTGC
CCAGAGAGGAGCGCCAGTTTGGACCAACCTTGTCTAGACACAGTTCATGTTGACCCCGTATCCGAGA
GAGCACCCAGATGAGCTGCTTCGCCCTCCACGGAGCTGGCCACGGGGCATCAGCAAACCCAGGCAGGG
CTCCCCACTGGCCCTGTCTCAGCTTTTTGACCCGGATTCTGTGGGCGCCGCTGCAGACCGTGGTGT
TGATATGGACCGTGGGTACTGGCAAGAGCACGTTGGTACGGAAGATGGTCTTAGACTGGTGTACGGGAG
ACTGCCTGCCTTTGAGCTTCTCATCCCCTTCTCCTGTGAGGACTTGTATCCCTGGGCTCCACCCAGCT
TCCTGTGCCAACTTGTGACCCAGCGTTACACACCCCTGAAAGAGGTGTTGCCCTGATGACTGCTGCGG
GATCCCGCCTGTCTTTGTGCTCCATGGCTTGGAGCGCCTCAACCTTGACTTCCGGCTGGCAGGCACAGG
GCTTTGACAGTACCCGGAGGAACCCGGGCCACAGCTGCCATCATAGTCAACCTGCTGCGAAATACATG
CTTCCCGAGGCCAGCATTCTGGTAACACCCGGCCTTCCACCATAGCCGAATCCCTAGCAAAGTATGTGG
GCCGCTATGGTGAGATCTGTGGCTTCTGTATACCAACCTGCAGAAGCTCTACTTCCAGCTCCGCTTAA
CCAGCCTGACTGTGGGTACGGTGTGGGGTGCAGTGTCTCAGTACACCAGCTCAGCGCACAACCTG
ATTCAAATGCTCTCCCGAACTGGAGGGGACACCAGATTGCCGAGCCTGCTTCTGCCTTCTTATT
GCTGGCTGTGTGCTACTTTGCACTTCTGCATGCTCCACACCTGCTGGTGCAGCCTCACAACAT
CTATACCAGCTTTCTACGCCTGAACTTCACTGGGGAAACACTGGACAGCACCCACACGTCCTCAATCTATCC
CTGATGTCTATGCAGCCCGACTATGGCAAGCTGGCCTACGAGGGCGTGTATCCCGAAAGACCTACT
TCTCTGAAGAGGATGTCCGTGGCTGCCTGGAAGCTGGCATCAAGACAGAGGAAGAGTTTCAACTGCTTCA
GATCTTCCGAGGGACGCCCTGAGGTTTTTCTGGCCCGTGTGTGGAACCAGGGCACCTGGGTACCTTC
GTGTTACCGTGGCCGCATGCAGGAGTATCTGGCTGCCCTCTACATCGTGTGGTTTGCGAAGACAG
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GGGCATTGTGCCAAGCTGTTGCCCTGCGGATTCTGCCTGTCTTCAACTTGTCAAGGTAGTTCGG
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CCGGCGCCACCCAGATGAACCTCTGAGGATGAAGTCTTTGAGCTTTCCTCATGTTGAGGCGGACTT
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ATGCCAGGCCATCAAGAAGAAGCTGGGAAGCTGGGTGGCAGGTGCTGCCCCCTCGGAGCTTCTTGA
CCATCTCTTCCACTATGAGTTCAGAACAGCGCTTCTCAGCTGAGGTGCTGGGCTCCCTACGCCAG
CTCAATTTAGCAGGGTGCATGACACCCCTCAAGTGCACAGTGGTAGCCTCTGACTGGGAAGTGAA
GGCACCCCTGGATGAGGTGAACTTGGCCTCCTGCCAGCTGGATCCCGCTGGGCTACACACTCTCATGCC
TGTCCTCCTGCGTGCCCGAACTGGGGTTGCAACTCAACAATCTGGGCCCCGAGGCTGCAGAGACCTC
CGAGACCTGCTCTTACAGATCAATGCCAGATCACCACTCTTAGGCTCTCAACAACCCACTGACAGCAG
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CCCTGGAGCTGCTGCACCTCTACTTCAATGAGCTGAGTTCAGAGGGCCCGCAGGTCTGCGGGATTTGGG
GGGCTCTGGTGAAGTGGTGGCCGGTCTGAGCCTCGTGACAGAAGGGACGGCGGTGTCTGAGTACTGG
TCAGTGATCCTTAGTGAAGTCCAGCGCAACGTCCACAGCTGGGACCCGCTCCGGTCCAGAGGCATCTCA
AGCTGCTGCTCCGTGATCTGGAGGACAGCCGGGGCCACCCTAATCCCTGGCGCAAGGCTCAGCTTCT
CGGAGTGGAGGGGAGGTCAAGACTCTTCTGGAGCAGCTGGGAGTCTCTGGACAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR213673 protein sequence
 Red=Cloning site Green=Tags(s)

MRWGCHLPRTSWGSLGRTPQLPDEHISFLIQSWPFGVHPLRPPRAFIRYHGNSADSAPPPGRHGQLF
 RSISATEAIQRHRRNLTEWFSRLPREERQFGPTFALDTHVDPVIRESTPDELLRPFSTELATGHQQTQAG
 LPPLALSQLFDPDSCGRRVQTVVLYGTGTGKSTLVRKMLDWCYGRLPFAFELLIPFSCEDLSSLGSTPA
 SLCQLVTQRYTPLKEVLPMLTAAGSRLLFVLHGLERLNLDFRLAGTGLCSDEPEEPGPPAAIIVNLLRKYM
 LPEASILVTTRPSTISRIPSKYVGRYGEICGFSDTNLQKLYFQLRLNQPCGYGAGGASVSVTPAQRDNL
 IQMLSRNLEGHQIAAACFLPSYCWLVCATLHFLHAPTPAGQTLTSIYTSFLRLNFSGETLDSTHTSNLS
 LMSYAARTMGKLA YEGVSSRKTYFSEEDVRCLEAGIKTEEEFQLLQIFRRDALRFFLAPCPEPHLGTG
 VFTVPAMQEYLAALYIVLGLRKTALQRVGKEVVEFVGRVGEDVSLVLGIVAKLLPLRILPLLNNLKVVP
 RVFGRMVSKSREAVAQAMVLEMFREEDYNDVLDQMGASILGVEGPRRHPDEPSEDEVFELFPMFMGGL
 LSAHNRAVLAQLGCPKIKNLDAENAQAIKKKLGLGRQVLPSELLDHLFFHYEFQNRQSAEVLGSLRQ
 LNLAGVRMTPKCTVVASVLSGRHPLDEVNLASCQLDPAGLHTLMPVLLRARKLGLQLNNLGPACRDL
 RDLLLHDQCQITTLRLSNNPLTAAGVGLLMDGLAGNTSVTHLSLLHTDLGDEGLELLAAQLDRNKQLQEL
 NVAYNGAGDTVALALAKAAREHPSLELLHLYFNELSSSEGRQVLRDLGGSEGGGARVVASLTEGTAVSEYW
 SVILSEVQRNVHSDPLRVQRHLKLLLRLDLEDSRGATLNPWRKAQLLRVEGEVKTLLLEQLGGSGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

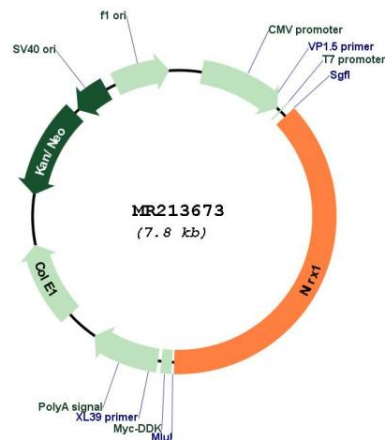
Cloning Scheme:



ACCN: NM_001163743

ORF Size: 2925 bp

OTI Disclaimer:	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
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:	<u>NM_001163743.1, NP_001157215.1</u>
RefSeq Size:	3706 bp
RefSeq ORF:	2928 bp
Locus ID:	270151
UniProt ID:	<u>Q3TL44</u>
Cytogenetics:	9 A5.2
MW:	107.8 kDa
Gene Summary:	Participates in antiviral signaling.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR213673