

Product datasheet for **RR202384**

Nod1 (NM_001109236) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nod1 (NM_001109236) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nod1
Synonyms:	RGD1562269
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR202384 representing NM_001109236
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGAAGCGCGCCAACATGAGATGGAAGGCGTCCCAGCCGGTTGCTACTCCACATTAACCTGTTGA
 GGATCAACAGGGAACACCTGGTCAACAACATTCGGAACACTCAGTGCCTGGTGGACAACCTGCTGGAGAA
 CCGTTACTTCTCAGCCGAGGATGCAGAGATCGTGTGTGCTTGTCTACCCAGCCTGACAAGTCCGAAAG
 ATCCTTGACCTGGTGCAGAGCAAAGGTGAGGAGGTGTCTGAGTTCTTCTCTACGTGCTACAGCAGCTGG
 AGGATGCTTACGTGGACCTCAGGCTGTGGCTATCAGAGATTGGCTTCTCCCTTCCAGCTCATCCGGAC
 CAAAATATCGTCAATACTGACCAGTAAGCAGGTATACCCAGCAGCTGCGACACCAACTGGGCCGCGAT
 TCCAAGTTCATGTGTGTACGCTCAGAAGGAGGACCTGTGCTGGAGGAGACCTATATGGACACACTCA
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 CACAGGTGCTCTCAACGAGCATGGCGAGACTGTCTTCGTGTTCCGGGACGCGGGAGTTGGCAAGTCCATG
 TTGCTACAGAGGTTGCAGAGCCTCTGGCGCTGTGGCAGGCTGGCCTCAAAGCCAAATTTCTTCTCCACT
 TTCGCTGCCGTATGTTACGCTGCTTCAAGGAGAGCGACACATTGACTCTGCAAGACCTGCTCTTCAAGCA
 TTTCTGTACCCGGAGCAGGACCCCGAGGAGGTGTTCTCCTTCTTGTGCTGCGCTTTCCCCACACAGCGCTC
 TTCACTTTTGACGGCCTGGATGAGCTGCACTCAGACTTCGACATGAGCCGCTGCCGGACAGCTGCTGCC
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 CTTCGATGTTTTCCAGCATTTCCACACGCGCTTCGAGGGCTCCTCGCAGCTGCCGGACTGCGCTGTGACC
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 GAAACACGCGCAGCCCGCGGAAACCTACGTGCAGGCTGGCGCACGCTGCAGGCGCTGGGAGAGGTGGC
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 TCCTTCTTCTCCTCCAGTGCCTGGGTAGCGGTAGCCGTTGGGCCCTGATCCTTTCAAGAACAAAGATC
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 GGTGCCCAAGGCTATCCTAAGGAAGAAGCGCAAGGCCCTGTGGGCTCACCTGTTTGCCAGCTGCGCTCC
 TACTTGAAGAGCCTACCCCGGTCCAGTCTGATGGGTTTAAACCAGGTACATGCCATGCCACATTCTGT
 GGATGCTGCGCTGCATCTATGAGACACAGAGTCAAGAGTGGGGCGCTTAGCCGCCAGGGGCATCAGTGC
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 TGGGATGTGGGCAATCAGATTGGAGACGAGGGAGCAAAAGCCTTCCAGAGGCGCTGAGGGACACCCC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202384 representing NM_001109236
 Red=Cloning site Green=Tags(s)

MEKRGQHEMEGVPAGCHSHIKLLRINREHLVTNIRNTQCLVDNLLLENGYFSAEDAEIVCACPTQPKVVRK
 ILDLVQSKGEEVSEFFLYVLQQLLEDAYVDLRLWLSEIGFSPSQLIRTKTIVNTDPVSRYTQQLRHQLGRD
 SKFMLCYAQKEDLLLEETYMDTLMELVGFNNENLGLSGGLDCLLDHSTGVLNEHGETVFVFGDAGVGKSM
 LLQRLQSLWASGR LASKAKFFHFRCRMFSCFKESDTLTLQDLLFKHFCYPEQDPPEEVFSFLLRFPHTAL
 FTFDGLDELHSDFDMSRVPDSCCPWEP AHPLVLLANLLSGRLLKGAGKLLTARTGVEVPRQLLRKKVLLR
 GFSPSHLRAYARRMFPERTAQEHL LQQLDANPNLCSLCGVPLFCWIIIFRCFQHFHTAFEGSSQLPDCAVT
 LTDVFLLVTEVHLNRTQPI SLMQRNTRSPAETLRAGWRTLQALGEVAHRGTDRSLFVFGQEEVQASKLQE
 GDQLQGLRALPDVGPEQSQQSYEFFHLTLQAFFTAFFLVADDKVSTQELLRFFREWTSPEGATSRSCTP
 SFFSFQCLGSGSRLGPDPFKNKDHQFTNLFLCGLLAKARQKLLQQLVPKAILRKKRKALWAHLFASLRS
 YLKSLPRVQSDGFNQVHAMP TFLWMLRCIYETQSQKVGRLAARGISADYLKLAFCNACSADCSALSFVLH
 HFHRQLALDLNNDLNDYGVRELQPCFSRLTVIRLSVNQITDMGVKVLCEELTKYKIVTFLGLYNNQITD
 IGARYVAQILDECRGLTHLKLGNRITSEGGRCVAQAVKNSTSI VEVGMWGNQIGDEGAKAF AEALRDHP
 SLTTLSLAFNGISPEGGKSLAQALKQNTTLTI IWLTKNELNDEAAECFAEMLRVNQTLKHLWLIQNHITA
 EGTAQLARALQKNTTITEICLNGNLIKPEEAKVFENEKRIICF

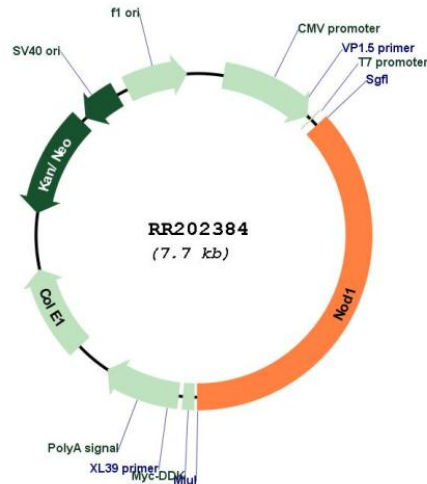
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001109236

ORF Size: 2859 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:

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_001109236.1](#), [NP_001102706.1](#)

RefSeq Size: 4110 bp

RefSeq ORF: 2862 bp

Locus ID: 500133

Cytogenetics: 4q24

MW: 107.9 kDa