

Product datasheet for **RR212502**

Nlrp10 (NM_001106291) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nlrp10 (NM_001106291) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nlrp10
Synonyms:	Nalp10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR212502 representing NM_001106291
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTTGGCAAGGGCCAACAGCCCCAGGAAGCGTTGCTTTGGCCTTGAACGACCTTGAGGAGAACA
 GTTTCAAGACGCTGAAGTTCCACTTACGGGATGTGACCCAATTTTCATCTGGCCCGAGGGGAAGTGGAGGG
 TCTGAGTCAGGTGGACCTGGCATCAAACTGATTTCAATGTATGGAGCACAGGAAGCTGTGAGAGTGGTG
 GGCAGGAGCTTGCAGGCCATGAACCTTGTAGACTATCTCAACCAGGTTTGTCTGAATGATT
 ACAGAGAAATCTACCGGGAGCACGTGCTCTGCTTGGAGGAGAGGCAAGATTGGGGTGTAAACAGCAGTCA
 CAACAAGTGTCTCTGGTGGCCACATCTAGTTCAGGGAGTCTCAGATCACCTTCTGTTCTGACCTGGAA
 CAGGAGTTGGATCCTGTCCATGTGGAGACATTATTTGCTCCGGAGGCGGAGTCTACTCAACACCGCCCA
 TAGTGGTGTGCAAGGATCCGCCGCACTGAAAGACAACCTGGTCAAAAACTGGTGCAGGACTGGGC
 CAAAGGTAACTGTACCGGGCCAGTTTGATTACGTTTTCTACGTGAGCTGCAGAGAAGTGGTCTGTTA
 CCCAAGTGTGACCTGCCAACCTCATCTGCTGGTGTGGGGATGATCAAGCCCCAGTCAAGAGATTC
 TGAGGCAGCCTGAGCGGCTCCTGTTTCATCTGGATGGCTATGATGAGTTACAGAAGTCCAGCCGTGCCGA
 GCGCGTACTACACATTCTGATGAGGAGAAGGGAGTACCATGCTCTTCTCATCACTACACGGCCTCCA
 GCTTTGCAGAGTCTGGAGCCCATGTCTGGTGAACGGCGACATGTCCATGTCTTAGGCTTCTCTGAGGAGG
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 AAACAATGCTGTTCTCTATAAAGCATGCCAGGTTCCAGGCATTTGCTGGTGGTCTGCTCCTGGCTGAAG
 GGAAGATGGCGAGAGGCCAGGAAGTCTCTGAGACACCTAGCAACAGTACAGACATCTTCACTGCATATG
 TGTCACCTTTCTGCCACTGATGGCAATGGGGACAGCTCTGAGCTTACCAGGCACAAGTACTGCGGGG
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 GGACCAGGGTCAGCTAGGAGAGGCCACACAAAAGAGTGGCAAAGCTGGTAGATCAGGAGAACTATGAA
 GAGGTGACTCTCAGTTTGCAGTTCTATTTGACATGTTGAAAACAGACAACCTTGAGCTTGGGGCTAA
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 AAAGTACAACAGGTCATGGGATTTGGAATCTCTCTATGATTCTAAAAAAGAGCTCAAACAAGT
 ATCCAGATGAAAGATGTCATTTTCAATGTGCAACATTCAGATGAAAAGAAATCTGGTAAGAAGAAGCCAT
 TTTCAAGTACAAGCAGGTTTGGTAAGGGTCTATCTTGGAACTGGTAAAAGCACAAGGAAACAAAAGAA
 GGCTTCTAATGGGAAAAGCAGAGAGACAGAGGAACACCAGCCAGGACCGAGGAAAAGAGTAGGCTGGCA
 AGCAGAGGAAAAGGTAACAAGGAGATAAATGATAAGGATGGTGGGGTGTACGGACAGGAGGATGGGGAAG
 GACAGGAAGTCAAAAAGGGTGGAGAGATACTAGATGAGATGAATGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212502 representing NM_001106291
 Red=Cloning site Green=Tags(s)

MALARANSPQEALLWALNDLEENSFKTLKFHLRDVTQFHFLARGELEGLSQVDLASKLISMYGAQEAVRVV
 GRSLQAMNLMELVDYLNQVCLNDYREIYREHVLCEERQDWGVNSHNNKLLLVATSSSGSLRSPSCSDLE
 QELDPVHVETLFAPEAESYSTPPIVVMQGSAGTGKTTLVKLVQDWAKGKLYPGQFDYVYVSCREVVLL
 PKCDLPNLICWCCGDDQAPVTEILRQPERLLFILDGYDELQKSSRAERVLHILMRRREVPCSLITTRPP
 ALQSLEPMLGERRHVHVLGFSEERETYFCSYFMDKEQLRNALEFVQNNAVLYKACQVPGICWVCSWLK
 GK MARGQEVSETPSNSTDIFTAYVSTFLPTDGNDSSELTRHKVLRGLCSLAAEGMRHQRLLEEDVLRK
 HSLDGPSTLTAFLNCTDYREGLGIKKLYSFCHISFQEFFYAMSFLVKEDQGQLEATHKEVAKLVQENYE
 EVTSLQFLFDMLKTDNTLSLGLKFCFKIAPSVRQDLKHFKEQVVAIKYNRSWDLEFSLYDSKIKKQKQ
 IQMKDVI FNVQHSDEKKS GKKKPF SVTSRFGKGP ILETGKSTRKQKASNGKSRETEPPAQDGGKSRLA
 SRGKGNKEINDKGGVYQEDGEGQEVKKGGEILDEMNG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

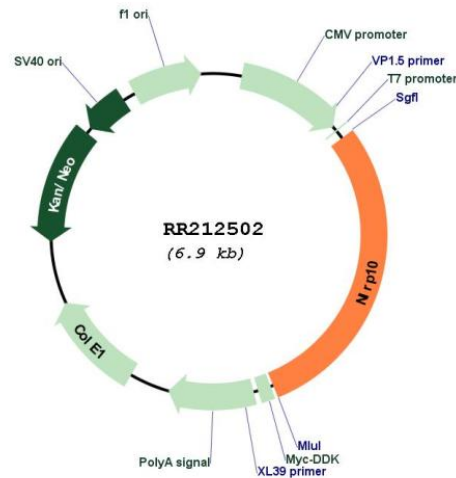
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106291

ORF Size: 2007 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_001106291.1](#), [NP_001099761.1](#)

RefSeq Size: 2541 bp
RefSeq ORF: 2010 bp
Locus ID: 293426
Cytogenetics: 1q33
MW: 75.7 kDa