

Product datasheet for **MR214070**

Nol10 (NM_001008421) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nol10 (NM_001008421) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nol10
Synonyms:	Gm67
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR214070 representing NM_001008421
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGGTCTCCAGCCTCAACGAAGTGAAGATTTACAGCCTCAGCTGCGCAAGTCTCTCCCGAGTGGC
 TTTCTGACAGGAAGAAGAGAGCACTGCAGAAGAAGAATGTCGATGTTTCGTAGGAGAATTGAACCTTATTCA
 GGACTTCGAAATGCCTACTGTGTACTACTATCAAGGTGTCAAAAGATGGACAGTATATTTTAGCAACT
 GGAACATATAAGCCTCGGGTCCGGTGTTATGACACATATCAGTTATCCCTGAAGTTTGAAGGTGCTTGG
 ATTCTGAAGTTGTCACCTTTGAGATTTTATCAGATGACTATTCAAAGATTGTCTTCTTACATAATGACAG
 ATATATTGAATTTCACTCACAATCAGGCTTTTACTACAAAACCAGAATCCCAAGTTCGGCCGAGACTTC
 TCTTACCCTATCCATCCTGTGACTTGTACTTTGTAGGTGCAAGCTCTGAAGTTTATAGATTAACCTTAG
 AACAAAGGGCGGTACCTGAATCCTCTCCAGACGGACGCCGGGAGAACAATGTTTGTGACATAAATGCAGT
 GCATGGCTTGTTCGCCACAGGAACAATAGAGGGTTCGAGTGAATGCTGGGATCCAAGAGTAAAGAAAAGG
 GTTGGCGTGTAGACTGTGCATTAATAGTGTACAGCAGATTTCAGAGATAAACAGCTTACCCACCATCT
 CTGCATTGAAGTTAATGGAGCCTTGAGCATGGCAGTTGGAACATCCACAGGGCAGGTGTTGTTATATGA
 TCTTTCGCTCGGATAAGCCGTTGCTAGTTAAGGATCACCAGTATGGGCTGCCGATTAAGTCAGTTCATTTT
 CAGGATTCCTAGATTTGGTTTTGTCTGCAGACTCTAGAATTGTCAAAATGTGGAACAAGGACTCCGGGA
 AAATATTTACTTCGTTGGAGCCAGAACATGATCTTAATGATGTTTGCCTCTATCCAGCTCAGGAATGCT
 TCTTACTGCCAATGAATCCCCAAGATGGGCATTTACTACATTCGGTTTTGGGTCTGCTCCAGGTGG
 TGTTCCCTCCTGGACAACCTTGACAGAAGAGTTAGAAGAGAATCCAGAGAGCACAGTGTATGATGATTACA
 AATTTGTACCAAGAAAGACCTTGAAAATTTAGGGCTCACACATCTCATTGGATCACCTTCTCCCGAGC
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 TACGCTGAAAAAGAAAGTTAAGAGCCTCCCTAATATCCTCACGGATGATCGATTTAAAGTTATGTTTGG
 AATCCCGACTTCCAGGTGGACGAGGAGAGTGAAGAGTTCAGGCTTCTCAACCCCTCGTCTCGAGGATCA
 GTGAGAAGAGGAAGAAGCAGCTGAGGCTCTTGGAGCAGCAGGAGCTCAAGGATGAAGAGGAGGAAGAACC
 GGAAGGAAAACCCAGTGTGCAGAAAAGTTCAGAGAGCTCAGATGATGAGAAAGGTTGGGTTGAAGAAGTC
 AGAAGCAGCGCAGACTCCTTCAGCAGGAAGAAAGAGTGAAGCGCAGGAGCAACTGAAGGAGGACCAGC
 AGACAGTCTGAAGCCCCAGTTCTACGAGATCAAAGCAGGCGAAGAGTTCAGGAGCTTCAAAGAGTCTGC
 CACCAAGCAGAGACTAATGAACAAAACCTGGAAGATCGTTTGAACCTGAAGCAAAACATGGGACATTG
 AATGTATCGGACACCCTGTTGGCAGCAAGCAGTTGACATTTACTCTCAAGAGGTCTGAACAGCAAAAAGA
 AGCAACAGGAGGCTGAAAACCTGCATCGTCAGGAAAGGAAAAATCTGCGCAGGTCCGCCAGCCACCTGAG
 GTCCAGACCCAGAAGAGGCCGGCCCTTTTAC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214070 representing NM_001008421
Red=Cloning site Green=Tags(s)

MQVSSLNEVKIYSLSCGKSLPEWLSDRKKRALQKKNVDVRRRIELIQDFEMPTVCTTIKVSKDGGYILAT
 GTYKPRVRCYDITYQLSLKFERCLDSEVVTFEILSDDYSKIVFLHNDRYIEFHSSQSGFYKTRIPKFGDRF
 SYHYPSCDLYFVGASSEVYRLNLEQGRYLNPLQTDAAENNVCDINAVHGLFATGTIEGRVECWDPRVVRKR
 VGVLDLALNSVTADSEINSLPTISALKFNGALSMVGTSTGQVLLYDLRSDKPLLVKDHQYGLPIKSVHF
 QDSLDELVSADSRIVKMWNKDSGKIFTSLEPEHDLNDVCLYPSSGMLLTANESPKMGIYYIPVLGPAPRW
 CSFLDNLTEELEENPESTVYDDYKVFVTKKDLLENLGLTHLIGSPFLRAYMHGFFMDIRLYHKVKLMVNPFA
 YEEYRKDKIRQKIEETRAQRVQLKLPKVNKELALKLIEEEEEKQKSTLKKKVKSLPNILTDDRFKVMFE
 NPDFQVDEESEFRLLNPLVSRISEKRKKQLRLEQQELKDEEEEEPEGKPSDAESSESSDDEKGWVEEV
 RKQRLLQQEERVKRQELKEDQQTVLKPQFYEIKAGEEFRSFKESATKQRLMNKTLEDRLKLEAKHGTL
 NVSDTTVGSKQLTFTLKRSEQQKQQAELKLRQERKNLRRSASHLRSRPRRGRPFH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001008421

ORF Size: 2061 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_001008421.1](#), [NP_001008421.1](#)

RefSeq Size: 3004 bp

RefSeq ORF: 2064 bp

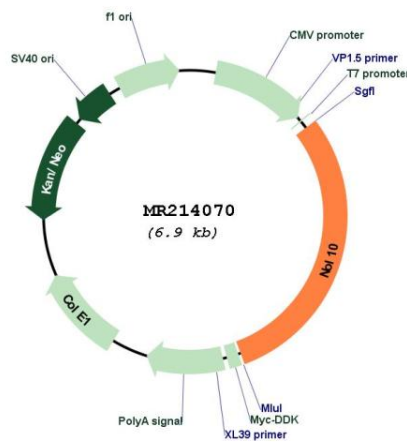
Locus ID: 217431

UniProt ID: [Q5RIG1](#)

Cytogenetics: 12 A1.1

MW: 80.1 kDa

Product images:



Circular map for MR214070