

Product datasheet for **MR215659**

Nadk (NM_138671) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nadk (NM_138671) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nadk
Synonyms:	4432404C02Rik; BC004012
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215659 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAATGGAACAAGAAAAGATGAACCTGAGTCAGGAGCTGAGTGCCGACTCAGCCTCCTACAACCTGCT
 CAGCATGTCATGGGGATGAGACCTGGAGCTACAATCACCCATCCGGGGCCGGGCAAGTCTCGGAGCCT
 GTCAGCCTCACCTGCCCTAGGCAGCACCAAGGAGTTCAGGAGGACCCGCTCTCTCCATGGACCGTGCCCA
 GTGACAACATTTGGACCAAGGCCTGCGTGTGCAGAACCAGCAGACCATCATGCACATCCAGGACCCCTG
 CAAGTCAACGGTTGACATGGAACAAGTCTCCCAAGAGTGTGCTTGTATCAAAAAGATCCGAGATGCCAG
 CTTACTGCAGCCCTTCAAAGAGCTCTGCATATACCTCATGGAGGAAAACAACATGATCGTGTATGTGAA
 AAGAAAGTTCTGGAAGACCCTGTATAGTGTGATGAAAACCTTGGACCAGTGAAGAAGAAGTTCTGCA
 CTTTCCGTGAAGACTATGATGACATTTCCAACCAGATAGACTTCATCATATGCCTGGAGGAGATGGCAC
 CTTGCTCTATGCCTCCTCACTTTCCAGGGCAGTGTGCCTCCTGTATGGCCTTCCACCTTGATCCCTG
 GGCTTTCTGACCCCTTCAACTTTGAGAACTTCCAATCCAAGTGAATCAGGTGATAGAGGGGAATGCCG
 CTGTCATCCTGAGGAGCCGGCTGAAGGTGAGGGTGGTGAAGAGCCAGAGACAAGAAGACAGCCATCCA
 CAACGGCCTCAGTGAAAATGGTCTGGACACAGAGGGCGGAAAACAGGCTATGCAATACCAGGTCTTAAAT
 GAAGTGGTGATCGACAGAGGCCCTCCTCATATCTGTCCAACGTGGATGTCTACCTGGATGGACACCTTA
 TCACTACTGTGCAGGGCGATGGAGTGTGCTGCCACCCGACGGGCAGCACAGCATATGCAGCTGCAGC
 CGGGCCCTCCATGGTCCACCCCAACGTGCCGGCCATCATGGTTACACCCATCTGCCCCACTCGTGTC
 TTCCGGCTATCGTGGTCCCTGCAGGGTTCGAGCTGAAGATTATGCTGTACCCGGAAGCCAGGAACACGG
 CATGGGTGTCTTTGATGGACGGAAGAGACAGGAAATCCGCCATGGAGACAGCATCAGCATTACCACCTC
 CTGCTACCCGCTGCCCTCATCTGTGTGTGCGACCCTGTGAGTGACTGGTTCGAGAGCCTTGCCCAAGTGT
 CTGCACTGGAATGTTGAAAGAAGCAAGTTCACCTTCCAGAGGATGAGGAGGACAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215659 protein sequence
 Red=Cloning site Green=Tags(s)

MEMEQEKMNLSQELSADSASYNCSACHGDETWSYNHPIRGRAKRSRSLSASPALGSTKEFRRTRSLHGPCP
 VTTFGPKACVLQNPQIMHIQDPASQRLTWNKSPKSVLVIKKIRDASLLQPFKELCIYLMEENNMIYVVE
 KKVLEDPAIVSDENFGPVKKKCFRFREDYDDISNQIDFIICLGGDGTLLYASSLFQGSVPPVMAFHLGSL
 GFLTPFNFENFQSQVNQVIEGNAAVILRSRLKVRVVKPRDKKTAIHNGLSENGLDTEGGKQAMQYQVLN
 EVVIDRGPSSYLSNVVDVYLDGHLITTVQGDGVIIVSTPTGSTAYAAAAGASMVHPNVPAIMVTPICPHSLS
 FRPIVVPAGVELKIMLSPEARNTAWVSFDGRKRQEIRHGDSISITTSYPLPSICVCDPVSDWFESLAQC
 LHWNVRRKKQVHFPEDEEDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_138671

ORF Size: 1320 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_138671.1](#)

RefSeq Size: 2952 bp

RefSeq ORF: 1320 bp

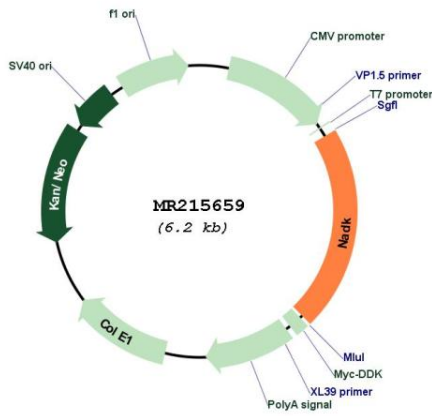
Locus ID: 192185

UniProt ID: [P58058](#)

Cytogenetics: 4 E2

MW: 48.6 kDa

Product images:



Circular map for MR215659