

Product datasheet for **RR208419**

Nadk (NM_001109678) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nadk (NM_001109678) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nadk
Synonyms:	MGC109551
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR208419 representing NM_001109678
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAATGGAACAAGAAAAGATGAACCTGAGTAAAGAGCTGAATCCTGACTCAGCCTCCTACAACCTGTT
 CAGCATGCCATGGGGATGAGACCTGGAGCTACAATCACCCCATCCGGGGCCGGGCAAGTCTCGAGCCT
 GTCAGCCTCACCTGCCCTGGGCAGCACCAAGGAGTTCAGGAGAACCCGCTCTCTCCATGGGCCGTGCCCA
 GTGACAACGTTTGGACAAAAGCCTGCGTGTGCAGAACCCAGACCATCATGCACATCCAGGACCCTG
 CAAGCCAACGTTGACATGGAACAAGTCTCAAAGAGTGTGCTTGTATCAAAAAGATCCGAGATGCCAG
 CTTACTGCAGCCCTCAAGGAGCTGTCATATACCTCATGGAGGAAAACAACATGATCGTGTATGTGAA
 AAGAAAGTTCTGGAAGACCCTGTATAGTGGGTGATGAAAACCTTGGACCAGTGAAGAAGAAGTTCTGCA
 CTTTCCGTGAAGATTATGATGACATTTCCAACCAGATAGACTTCATCATATGCCTTGAGGAGATGGTAC
 CTTGCTCTATGCCTCCTCACTTTCCAGGGCAGTGTGCCTCCTGTTATGGCCTTTCACCTTGATCCCTG
 GCTTTTCTGACCCATTCAACTTTGAGAACTTCCAATCCAAGTGAATCAGGTGATAGAGGGGAATGCTG
 CTGTTATCCTGAGGAGCCGGCTAAAGGTCAGGGTGGTGAAGAGCCAGAGACAAGAAGACGCCATCCA
 CAACGGCCTCAGTGAAAATGGTCTGGACACAGAGGGCGGAAAACAAGCTATGCAATACCAGGTCTTGAAT
 GAAGTGGTGATTGACAGAGGCCCTTCTCATACCTGTCCAACGTTGATGTCTACCTGGATGGACACCTTA
 TTACCACTGTGCAGGGCGATGGAGTGATCGTGTCCACCCGACGGGCAGCACAGCCTATGCAGCTGCAGC
 CGGGCCCTCCATGGTCCACCCCAACGTGCCGGCCATCATGGTTACACCCATCTGCCCCACTCGTGTC
 TTCCGGCTATCGTGGTCCCTGCAGGGTTCGAGCTGAAGATTATGCTGTACCAGAAGCCAGGAACACGG
 CATGGGTGTCTTTGATGGACGAAAAGACAGGAAATTCGCCATGGAGACAGCATCAGCATCACCACCTC
 CTGCTACCACTGCCCTCCATCTGTGTGTGACCCGTGTGAGTACTGGTTCGAGAGCCTTGCTCAGTGT
 CTGCACTGGAATGTTGAAAGAAGCAAGCTCACTTTCCAGAAGATGAGGAGGACCAGGATGAGGAGGACA
 GC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208419 representing NM_001109678
 Red=Cloning site Green=Tags(s)

MEMEQEKMNL SKELNPDSASYNCSACHGDETWSYNHPIRGRAKSRSL SASPALGSTKEFRRTRSLHGPCP
 VTTFGPKACVLQNPQTIMHIQDPASQRLTWNKSPKSVLVIKKIRDASLLQPFKELCIYLMEENNMIYVVE
 KKVLEDPAIVGDENFGPVKKKFCRFREDYDDISNQIDFIICLGGDGLLYASSLFQGSVPPVMAFHLGSL
 GFLTFFNFENFQSQVNQVIEGNAAVILRSRLKVRVVKPRDKKTAIHNGLSENGLDEGGKQAMQYQVLN
 EVVIDRGPSSYLSNVDVYLDGHLITTVQGDGVIIVSTPTGSTAYAAAAGASMVHPNVPAIMVTPICPHSL
 FRPIVVPAGVELKIMLSPEARNTAWVSFDGRKRQEIRHGDSISITTSYPLPSICVCDPVSDWFESLAQC
 LHWNVRRKKQAHFPEDEEDQDEEDS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

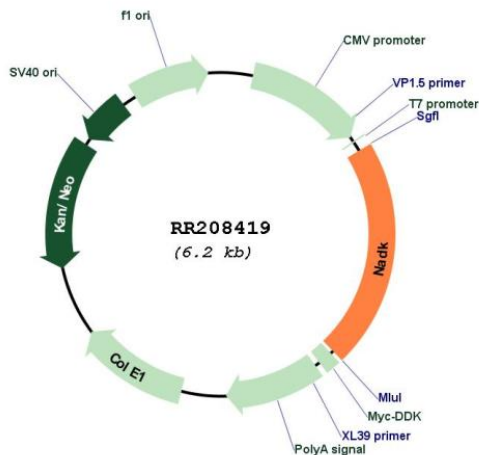
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109678

ORF Size: 1332 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_001109678.1](#), [NP_001103148.1](#)

RefSeq Size: 3443 bp

RefSeq ORF: 1335 bp

Locus ID: 100125370

Cytogenetics: 5q36

MW: 49.2 kDa