

Product datasheet for **MG206998**

Nadk (NM_138671) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nadk (NM_138671) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Nadk
Synonyms: 4432404C02Rik; BC004012
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206998 representing NM_138671
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAATGGAACAAGAAAAGATGAACCTGAGTCAGGAGCTGAGTGCCGACTCAGCCTCCTACAAGTCTGCT
 CAGCATGTCATGGGGATGAGACCTGGAGCTACAATCACCTATCCGGGGCCGGCCAAAGTCTCGGAGCCT
 GTCAGCCTCACCTGCCCTAGGCAGCACCAAGGAGTTCAGGAGGACCCGCTCTCTCCATGGACCGTGCCCA
 GTGACAACATTTGGACCAAGGCCCTGCGTGTGCAGAACCCGACAGCCATCATGCACATCCAGGACCCCTG
 CAAGTCAACGGTTGACATGGAACAAGTCTCCAAGAGTGTGCTTGTGCATCAAAAAGATCCGAGATGCCAG
 CTTACTGCAGCCCTTCAAGAGCTCTGCATATACCTCATGGAGGAAAACAACATGATCGTGTATGTGAA
 AAGAAAAGTTCTGGAAGACCCCTGCTATAGTGAGTGTGAAAACCTTTGGACCAAGTGAAGAAGATTCTGCA
 CTTTCCGTGAAGACTATGATGACATTTCCAACCAGATAGACTTCAATCATATGCCTTGGAGGAGATGGCAC
 CTTGCTCTATGCCTCCTCACTTTTCCAGGGCAGTGTGCCCTCTGTATGGCCTTCCACCTTGGATCCCTG
 GGCTTTCTGACCCCTTCAACTTTGAGAACTTCCAATCCAAGTGAATCAGGTGATAGAGGGGAATGCCG
 CTGTATCCTGAGGAGCCGGCTGAAGGTCAGGGTGGTGAAGAGCCAGAGACAAGAAGACAGCCATCCA
 CAACGGCCTCAGTGAAAATGGTCTGGACACAGAGGGCGGAAAACAGGCTATGCAATACCAGTCTTAAAT
 GAAGTGGTGTGACAGAGGCCCTCCTCATATCTGCCAACGTGGATGTCTACCTGGATGGACACCTTA
 TCACTACTGTGCAGGGCGATGGAGTGTGCTGTCCACCCGACGGGCAGCACAGCATATGCAGCTGCAGC
 CGGGCCCTCCATGGTCCACCCCAACGTGCCGGCCATCATGGTTACACCCATCTGCCCCACTCGCTGTCA
 TTCCGGCCTATCGTGGTCCCTGCAGGGTGCAGCTGAAGATTATGCTGTACCCGGAAGCCAGGAACACGG
 CATGGGTGTCTTTTGTGACGGAAGAGACAGGAAATCCGCCATGGAGACAGCATCAGCATTACCACCTC
 CTGCTACCCGCTGCCCTCATCTGTGTGTGCGACCCTGTGAGTACTGGTTCGAGAGCCTTGCCAGTGT
 CTGCACCTGGAATGTTGAAAAGAAGCAAGTTCACCTTCCAGAGGATGAGGAGGACAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - **GTTTAA**



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Protein Sequence: >MG206998 representing NM_138671
 Red=Cloning site Green=Tags(s)

MEMEQEKMNLSQELSDSASYNCSACHGDETWSYNHPIRGRAKSRSLSASPALGSTKEFRTRSLHGPCP
 VTTFGPKACVLQNPQIMHIQDPASQRLTWNKSPKSVLVIKKIRDASLLQPFKELCIYLMEENNMIYVVE
 KKVLEDPAIVSDENFGPVKKKCFTRFREDYDDISNQIDFIICLGGDGTLLYASSLFQGSVPPVMAFHLGSL
 GFLTPTNFENFQSQVNQVIEGNAAVILRSRLKVRVVKPRDKKTAIHNGLSENGLDTEGGKQAMQYQVLN
 EVVIDRGPSSYLSNVDVYLDGHLITTVQGDGVIIVSTPTGSTAYAAAAGASMVHPNVPIMVTPICPHLSL
 FRPIVVPAGVELKIMLSPEARNTAWVSFDGRKRQEIRHGDSISITTSYPLPSICVCDPVSDFESLAQC
 LHWNVRRKKQVHFPEDEEDS

TRTRPLE – GFP Tag – V

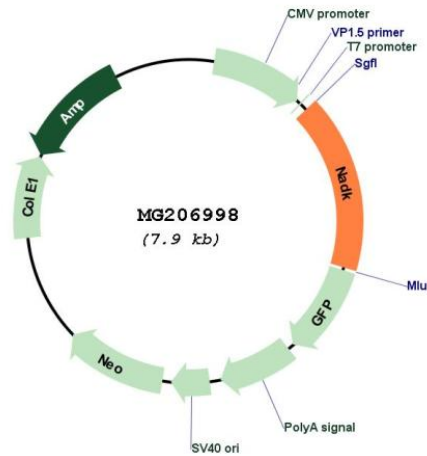
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_138671

ORF Size:	2949 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:	<ol style="list-style-type: none">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:	2943 bp
RefSeq ORF:	1320 bp
Locus ID:	192185
UniProt ID:	P58058
Cytogenetics:	4 E2