

## Product datasheet for **MG215659**

### 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:  | >MG215659 representing NM_138671<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAATGGAACAAGAAAAGATGAACCTGAGTCAGGAGCTGAGTGCCGACTCAGCCTCCTACAAGTCT  
CAGCATGTCATGGGGATGAGACCTGGAGCTACAATCACCTATCCGGGGCCGGCCAAGTCTCGGAGCCT  
GTCAGCCTCACCTGCCCTAGGCAGCACCAAGGAGTTCAGGAGGACCCGCTCTCTCCATGGACCGTGCCCA  
GTGACAACATTTGGACCAAGGCCCTGCGTGCTGCAGAACCCGACAGCCATCATGCACATCCAGGACCCCTG  
CAAGTCAACGGTTGACATGGAACAAGTCTCCAAGAGTGTGCTTGTGCATCAAAAAGATCCGAGATGCCAG  
CTTACTGCAGCCCTTCAAGAGCTCTGCATATACCTCATGGAGGAAAACAACATGATCGTGTATGTGAA  
AAGAAAGTTCTGGAAGACCCCTGCTATAGTGTGATGAAAACCTTTGGACCAAGTGAAGAAGATTCTGCA  
CTTTCCGTGAAGACTATGATGACATTTCCAACCAGATAGACTTCAATCATATGCCTTGGAGGAGATGGCAC  
CTTGCTCTATGCCTCCTCACTTTTCCAGGGCAGTGTGCTCCTGTTATGGCCTTCCACCTTGGATCCCTG  
GGCTTTCTGACCCCTTCAACTTTGAGAACTTCCAATCCAAGTGAATCAGGTGATAGAGGGGAATGCCG  
CTGTATCCTGAGGAGCCGGCTGAAGGTCAGGGTGGTGAAGAGCCAGAGACAAGAAGACAGCCATCCA  
CAACGGCCTCAGTGAATGGTCTGGACACAGAGGGCGGAAAACAGGCTATGCAATACCAGTCTTAAAT  
GAAGTGGTATCGACAGAGGCCCTCCTCATATCTGCCAAGTGGATGTCTACCTGGATGGACACCTTA  
TCACTACTGTGCAGGGCGATGGAGTGTGCTGTCCACCCGACGGGCAGCACAGCATATGCAGCTGCAGC  
CGGGCCCTCCATGGTCCACCCCAACGTGCCGGCCATCATGGTTACACCCATCTGCCCCACTCGCTGTCA  
TTCCGGCCTATCGTGGTCCCTGCAGGGTGCAGCTGAAGATTATGCTGTACCCGGAAGCCAGGAACCGG  
CATGGGTGTCTTTGATGGACGGAAGAGACAGGAAATCCGCCATGGAGACAGCATCAGCATTACCACCTC  
CTGCTACCCGCTGCCCTCATCTGTGTGTGCGACCCTGTGAGTACTGGTTCGAGAGCCTTGCCAGTGT  
CTGCACCTGGAATGTTGAAAGAAGCAAGTTCACCTTCCAGAGGATGAGGAGGACAGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG215659 representing NM\_138671  
 Red=Cloning site Green=Tags(s)

```
MEMEQEKMNLSQELSDSASYNCSACHGDETWSYNHPIRGRAKSRSLSASPALGSTKEFRTRSLHGPCP
VTTFGPKACVLQNPQTIMHIQDPASQRLTWNKSPKSVLVIKKIRDASLLQPFKELCIYLMEENNMIYVVE
KKVLEDPAIVSDENFGPVKKKCFTRFREDYDDISNQIDFIICLGGDGTLLYASSLFQGSVPPVMAFHLGSL
GFLTPTFNFNFSQVNVQVIEGNAAVILRSRLKVRVVKEPRDKKTAIHNGLSENGLDTEGGKQAMQYQVLN
EVVIDRGPSSYLSNVDVYLDGHLITTVQGDGVIIVSTPTGSTAYAAAAGASMVHPNVPVPAIMVTPICPHLS
FRPIVVPAGVELKIMLSPEARNTAWVSFDGRKRQEIRHGDSISITTSYPLPSICVCDPVSDFWESLAQC
LHWNVRKKQVHFPEDEEDS
```

TRTRPLE - GFP Tag - V

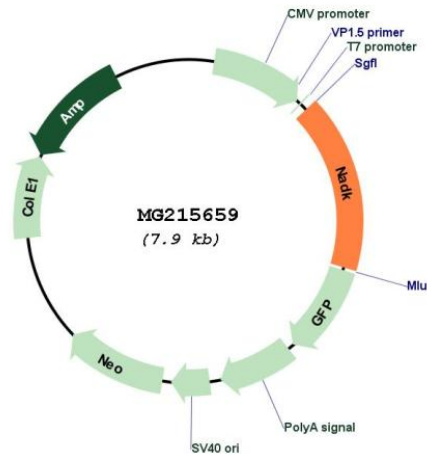
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_138671

|                        |   |
|------------------------|---|
| ORF Size:              | 1317 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. <a href="#">More info</a>  |
| 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"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| RefSeq:                | <a href="#">NM_138671.1</a>   |
| RefSeq Size:           | 2952 bp   |
| RefSeq ORF:            | 1320 bp   |
| Locus ID:              | 192185  |
| UniProt ID:            | <a href="#">P58058</a>  |
| Cytogenetics:          | 4 E2  |