

## Product datasheet for **MG221818**

### **Vmn2r72 (NM\_001105185) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Vmn2r72 (NM_001105185) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vmn2r72
Synonyms:	EG244114; Vmn2r72-ps
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>MG221818 representing NM\_001105185  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTTTCTTTGATCTCTGTCTTCTGGTTCTAAAGATTTCTTTATTTTTGTCAATTTGAGTGACCCCA  
 AATGCTTTTGGAGAATAAAAGATACTGAAAATAAAATAGGAGATATAGAACTTATTGTTCTTTTCTAT  
 TTCACAAAGCCTGGTTATGTGAAGAATGACTATTTTCATTTTAGAAATTATATTCTACTTCTGTTTTT  
 AGGGTGACACCCAAGACCAACCATTGATTTTCTCTGTTTATCTTGCCTTGAAGAAATAAATATGAACT  
 TCCATATTTTACCTAACATTTCTCTGGTAGTAAATGTTGAATGTCTCCGACAAAAATATGATGAAAAAC  
 AGGTTTGGCTTTGCAATCTAAGGAATTTATCCCTAATTACTCCTGCACAAATGAAAGAAGATATTTAATT  
 ATATTTACAGCTCCTATATGGGCAGTAACAAGACTAGGACCCTCATGTTTCATGTATAGCATTCTCTG  
 AGCTTTACTGCGGTCAATTTTCATCTTTCTTTGAGTGATAATGAGCAATTTCTCACCTTTACCAGATATC  
 TCCAAAGGACACATCTCTACCACTAGCCATGGTGTCCCTAATGGTTCATTTCAAATGGAAGTGGATAGGA  
 GCGATGATTACAATGATGACCATGGAATTCATTTCTTTCTAAATTGAGAGGAGAAATGCAAAAAACACA  
 TGGTCTGTTTATCATTTGTGTTTGTATCCTAACTGAGCATAGCATGGTCCGTAAGAGTTTCATAGAA  
 TTTTAATTTAATTGTAAGGTCATCAGCAAAAGTTGTGATAGTTTATGGAGACTATGCCTCTCCCATAGAT  
 CTTGTCCTCCATTGGTTAAATCAAAGGCCTTTTGAATCTGGGTTAGTGTGTGACAATTTGATATAA  
 TCACAAATCTAGGAGATTTATGCTATATTTCTCTCTGGGACATTCATTTTTTCACACCAGAAACCCGA  
 AATATCTGGTTTCCAAAAATTTATCAAACAGTATACCCTTCAAATTACAGTAGTGAATTTTCTTTTGCC  
 AAATATGGTGGACATATTTAGATGTTCTTTGCCACCCTAATTGTAACCGTGAAGAATTGCCCCA  
 CCAAAATGTATTTAAATGGTTATTCAGGACACCCTTGAATGGCCATGAGTATACATGCTATGCTCA  
 ATACAATGCTATACATGCTGTGGCCATTCCTCATGAGATGCTTCTGCAACAAGTAGACACGTGGTCA  
 AATAATGATGGGAAGGATCTTGAATTTGACACCTGGAAGATGTTCTCTATTCTGAAGACATTACAATTTG  
 TAAATCTGCTGGAGACCTAGTCAACATGAACCAGAATTTGAAACAGGATACAGAGTATGACATTTTCTA  
 TATCATGGATTTTCAAAAACATTATGGATTTAAATGAAAATAGGAAGATTTTTCAGGTCATCTGCCAAGT  
 CGTCAACAGCTATATATGCTAAAGAAATGATGGAGTGGGCTACAGATGTGGATCAGATTCTTCCCTCAG  
 CATGTAATATCCCTTCAAACCAGGATTCAGAAAAATCCCTGAGGAAGAAATGGATATCTGCTGTTTTGT  
 TTGTAACCCCTGCCCTGAAAATGAAATTTCAAACATGACAAACATGGATCAGTGTGTGAAGTGTGAGAA  
 GATCAATATGCAATGAAGACCATACTCTTCTCCAAAAAGTTGTGTCTATTTAGATTATAGAGAAC  
 CTTTGGGAAAAGCTCTAGCTGGCTTTGCTCTATGCTTCTCTGTCTTACGTCTGGTATATTTCTGCGTCTT  
 CCTGAAACACAGAGAAACTCCCATAGTCAAAGCCAATAACCAAATCTCAGCTATGTACTACTCATCTCC  
 CTCATATTTTGTTTTATCTGTTCCCTTGCTTTACATTGGTCATCCCACTACGGTCACTGTATCTGCAGC  
 AGACCACTTTTGGCATTGCTTTCACTGTGGCTACCTCTACTATTTTGGCTAAGACGATTACTGTTCTACT  
 AGCATTCAAGATAACTATTCCAGGAAGAAGAATGAGGTGGCTGCTTGTGTGAGGGGACCCCAAGTATATC  
 ATTCTCATATGCACCATGATTGCTGATTCTTTGTGGAATTTGGCTGGGAATTTCTCTCCATATGTTG  
 ATGCTGATGTACACATGGTACATGGCCACATCATATTGTTTGAACAAAGGTTTCAGTGATTGCCTTCTA  
 CTGTGCTTGGATACATGGGCTCTTTTGTCTTAAACAAGTTTCACTGTAGCTTTCTTGGCCAGAACCTG  
 CCTGATACATTCAATGAAGCCAAGCTCTTGACATTCAGCATGCTGGTGTCTGCAGTGTCTGGATCACTT  
 TCATCCCTGTCTACCAAAGCACCAGGCAAGACTATGGTTGCTGTGGAAGTGTCTGTATCTTGGCATC  
 AAGTGCAGGGCTTCTTCTTTGCATTTTGGCCCTAAATGTACATTATTTTATTAAGACCACACATAAAT  
 TCTTTTCGAAATTTAGGAAGCCACATGCAAAAATGAAAATAAAGT

**ACGGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >MG221818 representing NM\_001105185  
Red=Cloning site Green=Tags(s)

MFSLISVFWFLKISFIFCHLSDPKCFWRIKDTENKIGDIETYCSFSISTKPGYVKNDYFILEIIFSTSVF  
RVTPKTNHLIFSYYLAL EEINMNFHILPNISLVNVECLRQKYDEKTGLALQSKEFIPNYSCTNERRYLI  
IFTAPIWAVTTRLGPLMFYSIPELYCGHFHLSLSDNEQFPHLYQISPKDTSPLAMVSLMVHFKWNWIG  
AMITNDDHGIQFLSKLRGEMQKHMVCLSFVFAILTEHSMVRKEFHKNFNLIVRSSAKVVIVYGDYASPID  
LVLHWFKSKGLFRIWVSVSQFDIITNLGDFMLYSSSGTFIFSHQKPEISGFQKFIKTVYPSNYSSEFSFA  
KLWWTYFRCSLPPSNCKTLKNCPTKTVFKWLFRTPLGMAMSDTCYNSYNAIHAVAHSHEMLLQQVDTWS  
NNDGKDLEFDTWKMFSILKTLQFVNPAGDLVNMNQLKQDTEYDIFYIMDFQKHYGFKMKIGRFSGLHPS  
RQQLYMSKEMMEWATDQILPSACNIPCKPGFRKSPEEEMDICCVCNCPENEISNMTNMDQCVKCRE  
DQYANEDHTLFLQKVVSILDYREPLGKALAGFALCFSVLTSGIFCVFLKHRETPIVKANNQTL SYVLLIS  
LIFCFICSLLYIGHPTTVICILQQTTFIAFTVATSTILAKTITVLLAFKITIPGRRMRWLLVSGAPKYI  
ILICTMIQLILCGIWLGTSPPYVDADVHMVHGHIIVCNKGSVIAFYCVLGYMGSFALTSFTVAFLARNL  
PDTFNEAKLLTFSMLVFCSVWITFIPVYQSTKGKTMVAVEVFCILASSAGLLLCIFAPKCYIILLRPHIN  
SFRNFRKPHAKTENIS

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001105185

ORF Size: 2568 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\\_001105185.1](#), [NP\\_001098655.1](#)

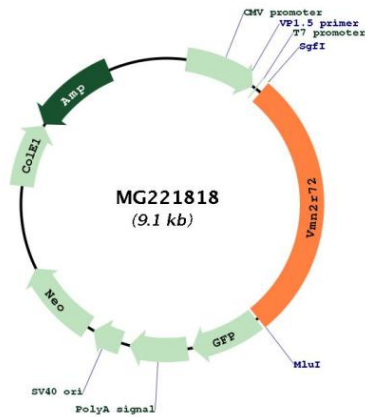
**RefSeq Size:** 2571 bp

**RefSeq ORF:** 2571 bp

**Locus ID:** 244114

**Cytogenetics:** 7 D3

**Product images:**



Circular map for MG221818