

## Product datasheet for **MG214345**

### Vmn2r47 (NM\_001105151) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vmn2r47 (NM_001105151) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vmn2r47
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG214345 representing NM\_001105151  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTTCATTTTCATGGGAGTCTTCTTCCTCCTTAATATTACACTTCTCATGGCCAATTTTCATTGATCCCA  
 GGTGCTTTTGGAGAATAAATTTGGATGAAATAACGGATGAATATTTGGGATTATCTTGTACTTTTCATCCT  
 GGCAGCAGTTCAGACACCCACTGAAAAAGATTATTTCAACAAGACTCTTAATGTTCTAAAAACAATAAA  
 AACACAAATATGCTTTGGCATTGGTGTGGCAATGGATGAAATCAACAGAAATCCTGATCTTTTACCAA  
 ATATGTCTTTGATTATAAGATACACTTTGGGCCTTTGTGATGGAAAACTGTAACACCTACACCATTTT  
 ATTTTCATAAAAAAACAAGCCCTATTCTAATTATTTCTGTAATGAAGAGACTATGTGTTTCATTTTCAG  
 CTTTCAGGACCCAAGTGGGATGTATCTTTAAGTTTCTGGATGTACCTGGACAGCTTCTTATCTCTGCGTA  
 TCCTTCAGCTTACCTATGGACCTTCTATTCTATCTTCAGTGATGATGAACAATATCCCTATCTCTATCA  
 GATGGCCCAAGGACACATCTCTAGCATTGGCAATGGTCTCCTTCATACTTTATTTGAAATGGAAGTGG  
 ATTTGGCCTTGTCATCCCAGATGACGATCAAGGAAACCAATTTCTTTTAGAGTTGAAGAAACAGAGTGAAA  
 ACAAGGAAATTTGCTTTGCCTTTGTGAAAATGATCTCTGTTGATGATACTTCATTTCCACATAAACTGA  
 AATGGACTACAACCAATTTGTGATGTATCCACAAATGTTATTATCATTTATGGAGAAACACGCAATTTTC  
 ATTTATTTGATCTTCAGAATGTGGGAACCTCCCATTTTACAGAGAATATGGATCACCAACAAAACAATTGA  
 ATTTCCCTACCAGGAAGACAGACATAAGTCATGGCACATTCTATGGATCACTTACTTTTCTACCCACCA  
 TGGTGAGATTTCTGGCTTTAAAAAGTTTGTACAGACATGGTCCATGTGCAAAACACAGATTTATATTTA  
 GTAATGCCAGAGTGGAACTATTTAACTATGTAAGCTCAGCATCCAATTTGAAAACTGAAGAACAATT  
 CATCTGATGCCTCATTGATTGGCTAATGGAACAGAAGTTTGCATGACCTTTAGTGAGAAATAGTCATAA  
 CATATACAATGCTGTGCATGCCATAGCCATGCCCTCCATGAGATGAATCTGCAACAGGCTGATAATCAG  
 GCAATAGGCAATGAAAAAGGAGCCAGTTCTCACTGCTTGAAGGTAAGTAACTCCTTTCTAAGAAGGACCTGCT  
 TCACTAATCCTCTTGGGACAAAGTGTATTAAGCAAAGAGTAATAATGCAGGATGAATATGATATTAT  
 TCACTTTGGGAATCTCTCACAACACCTTGGGATTAAGATGAAGTTAGGAAAGTTCAGCCCATATTTACCA  
 CATGGTCGACACTCTCACTTATATGTAGACATGATTGAGTTGGCCACAGGAAGAAGAAAGATGCCATCCT  
 CTGTGTGACAGTGCAGATTGTAGTCTGGATTGAGAAGATTATGGAAGGAGGGAATGGCAGCCTGCTGTTT  
 TGTTTGCAGCCCCTGCCCTGAAAATGAAATTTCTAATGAGACAAATATGGATCAATGTGTGAATTGTCCA  
 GAATACCAATATGCCAACACAGAACAGAACAAATGTATTCAGAAAGGTGCACCTTCCTAAGCTATGAAG  
 ACCCCTTGGGGATGGCACTTGCCTAATGGCCTTCTGCTTCTCTGCATTACAGCTGTGGTACTTTGTGT  
 CTTTGTGAAGCACCATGACACTCCTATTGTGAAGGCAATAACAGAAGCCTCAGTACCTATTACTCATG  
 TCACTCATGTTCTGTTTTCTGTGCTCCTTTTCTTCATTGGCCTTCCAAACAGAGCCATCTGTGCTTAC  
 AGCAAAATCACATTTGGAATTGTATTCACTGTGGCTGTTCCACAGTTCTGGCCAAAACAGTCACTGTGGT  
 TCTGGCTTTCAAAGTACAGACCCAGGGAGAAGATTGAGGAAGTCTCTGTATCAGGGACACCCAACTAC  
 ATTATTCCTATATGTTCCCTACTCCAATGTGTTCTGTGTGCAATCTGGCTAGCAGTTTCTCCTCCCTTTG  
 TTGATATTGATGAACACACTCTCCATGGCCACATCATATTGTGTGCAACAAGGGCTCAGATACTGCATT  
 CTACTGTATCCTGGGATATTTGGCCTGCATGGCACTTGAAGCTTCTCTGCTTTCTTTGGCCAAGAAT  
 CTGCCTGACACATTCATGAAGCCAAGTTCTTGACCTTACAGATGCTAGTGTCTGCAAGTGTCTGGGTCA  
 CCTTCTCCCTGTCTACCATAGCACCAAGGGCAACACATGGTTGCTGTGGAGATCTTCTCCATCTTGGC  
 ATCCAGTGCAGGGATCCTTGGATGTATTTTGTACCCAAGATTTATATCATTTTTATGCGACCAGAGAGA  
 AATTCTACCCAAAAGATCAGGAAAAATCATATTTT

**ACGGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

Protein Sequence: >MG214345 representing NM\_001105151  
Red=Cloning site Green=Tags(s)

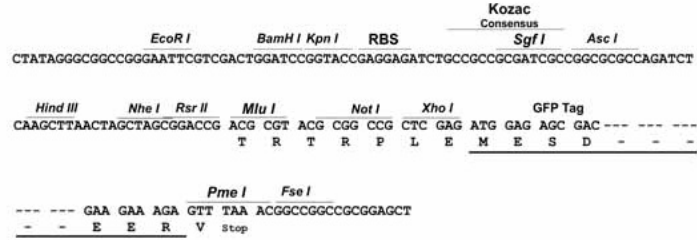
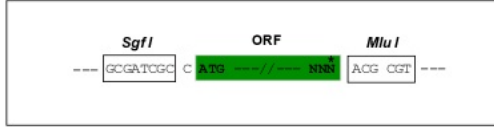
MFIFMGVFFLLNITLLMANFIDPRCFWRINLDEITDEYLGLSCTFILA AVQTPTEKDYFNKTLNVLKTTK  
NHKYALALVFAMDEINRNPDLLPNMSLIIRYTLGLCDGKTVTPPYLFHKKKQSPIPNYFCNEETMCSFQ  
LSGPKWDVSLSFWMYLDLFLSLRILQLTYGPFYSIFSDDEQYPYLYQMAPKDTSLALAMVSFILYLKWNW  
IGLVIPDDDQGNQFLELKKQSENKEICFAFVKMISVDDTSFPHKTEMDYNQIVMSSTNVI IYGETRNF  
IYLIIFRMWEPPILQRIWITTKQLNFPTRKTDISHGTFYGSFLTFLPHHGEISGFKKFVQTFHVRNTDLYL  
VMPEWNYFNYSASNCKILKNNSSDASFDWLMEQKFDMTFSENSHNIYNAVHAIHALHEMNLQQADNQ  
AIGNGKGASSHCLKVNSFLRRTCFNPLGDKVFMKQRVIMQDEYDIIHFGNLSQHLGIKMKLGKFSPLYLP  
HGRHSHLYVDMIELATGRRKMPSSVCSADCSPGFRRLWKEGMAACCFVCSPCPENEISNETNMDQC VNCP  
EYQYANTEQNKCIQKGVTFLSYEDPLGMALALMAFCFSAFTAVVLCVFKHHDTPIVKANNRSLSYLLLM  
SLMFCFLCSFFF IGLPNRAICVLQQITFGIVFTVAVSTVLAKTVTVVLA FKVTDPGRRLRNFLVSGTPNY  
IIPICSL LQCVLCAIWLAVSPPFVDIDEHTLHGHI IIVCNKGS DTAFCILGYLACMALGSFSLAFLAKN  
LPDTFNEAKFLTF SMLVFCVWVTF L P VYHSTKGKHMVAVEIF SILASSAGILGCIFVPKIYIIFMRPER  
NSTQKIREKSYF

TRTRPLE - GFP Tag - V

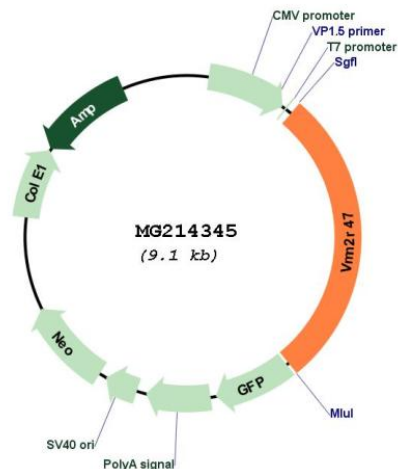
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



## Plasmid Map:



ACCN: NM\_001105151

ORF Size: 2556 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\\_001105151.1](#), [NP\\_001098621.1](#)

RefSeq Size: 2559 bp

RefSeq ORF: 2559 bp

Locus ID: 100042891

Cytogenetics: 7 A1