

## Product datasheet for **MG214593**

### Vmn2r31 (NM\_001105062) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vmn2r31 (NM_001105062) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vmn2r31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>MG214593 representing NM\_001105062  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTTCACTTTGATGGGAGTCTTCTTCTCCTTAACATTCACCTTTTCATGGCCAACTTTATTGATCCCA  
GGTGCTTTTGGAGAATAAATTTGAATGAAATTCAGGATGAATATTTGGGATTAACCTTGCTTTTCATCCT  
GGCAGCAGTTCAGAAACCTATTGAGAAAGATTATTTCAACAAGACTCTGAATTTCTAAAAACGACTAAA  
AACACAAATACGCTTTGGCATTGGCCTTTGCAATGGATGAAATCAACAGGAATCCTGATCTTTACCAA  
ATATGTCTTTGATTATAAGATACACTTTGGGCCGTTGTGATGGGAAAACCTGTAATACCTACACCATATTT  
ATTTCAAAAAAACAAGCCCTATCCCTAATTATTTCTGTAATGAAGAGACTATGTGTTCAATTTCTT  
CTTACAGGACCAATTGGGGTGTATCTATAAGTTTCTGGAAGTACCTGGACAGCTTCTTATCTCCACGTA  
TCCTTCAGCTTACCTATGGGCCCTTCAGTTCATCTTCAGTGATGATGAACAATATCCCTATCTCTATCA  
GATGGCCCAAAGGACACATCTCTAGCATTGGCAATGGTCTCCTCATACTTTACTTCAACTGGAACCTGG  
ATTGGCCTTGTCATCCCAGATGACGATCAAGGAAACCAATTTCTTTTAGAGTTGAAAAACAGAGTGAAA  
ACAAGGAAATTTGCTTTGCCTTTGTGAAAATGATCTCTGTTGATGACATTTCAATTTGAACACAAAACCTGA  
AATGTACTACAAACAAATTTGTGATGTCATCCTCAAATGTTATCATCATTTATGAGGAAACAAATCAATTTT  
ATTGATTTGATCTTCAGAATGTGGGAACCTCCAGTTTTACAGAGAATATGGATCACCACAAAACAATGGA  
ATTTCCCTACCAGTAAGAGAGACATAAATCATGGCACATTTCTATGGATCACTTACTTTTCTACCCACCA  
TGGTGGGATTTCTGGCTTTAAAGATTTGTACAGACATGGTCCATCTCAGAAGCAAAGATTTATATCTA  
GTAATGCCAGAGTGGAAACTTTAAATATGAATCCTCAGCATCTAAGTGTAATACTGAAAGCAAAAT  
CATCTGATGCCTCATTGATTGGCTAATGGAACAGAAGTTGACATGGCCTTTAGTGAGAGTGTGATAA  
CATATAACAATGCTGTGCATGCCATAGCCATGCACTCCATGAGGTGAATTTGCAGCAGGTTGATAATCAG  
GCAATAGACAATGGGAAAGGAGCCAGTTCTCACTGCTTGAAGGTAACCTCTTTCTAAGAAAGATCCACT  
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CATGGTCGAAACTTTCACTTATATGTAGACATGCTTGGGTTGCCACAGGAAGTAGAAAGATGCCATCCT  
CTGTGTGACAGTGCAGGATGTAGTCTGGATTGAGAAGATTGTGGAAGGAGGGAATGGCAGCCTGCTGTTT  
TGTTTGCAGCCCCTGCCCTGAAAATGAAATTTCTAATGAGACAAATATGGATCAATGTGTGAATTTGCCA  
GAATACCAATATGCCAATACAGAACAGAAATAAATGTATTCAGAAAGGTGTACCTTCTAAGCTATGAAG  
ACCCCTTGGGGATGGCACTTGCCTAATGGCCTTCTGTTTCTCTGCATTACAGCTGTGGTACTTTGTGT  
GTTTGTGAAGCATCATGACACTCTATTGTGAAGGCAATAACAGAATCCTCAGCTACTTATTATTGATA  
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TCTAGCTTTCAAAGTACAGACCCAGGGAGAAGATTGAGAAACTCCTGGTATCAGGGACACCCAACTAC  
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ATCCAGTGCAGGAATGCTTGGATGTATTTTGCACCCAAGATTTATATCATTTTAAATGAGACCAGAGAGA  
AATTCTACCCAAAAGATCAAAGTTAGAAATTTACTCAAAGATCAAAGAAAAATCATATTTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >MG214593 representing NM\_001105062  
Red=Cloning site Green=Tags(s)

MFTLMGVFFFLNIPLFMANFIDPRCFWRINLNEIQDEYLGLTCAFILAAVQKPIEKDYFNKTLNFKLTKK  
NHKYALALAFAMDEINRNPDLLPNMSLIIRYTLGRCDGKTVIPTPYLFHKKKQSPIPNYFCNEETMCSFL  
LTGPNWGVSISFWKYLDSFLSPRILQLTYGPFSSIFSDDEQYPYLYQMAPKDTSLALAMVSFILYFNWNW  
IGLVIPDDDQGNQFLLELKKQSENKEICFAFVKMISVDDISFEHKTEMYKQIVMSSSNVIIIYEETINF  
IDLIFRMWEPPVLQRIWITTKQWNFPTSKRDITHGTFYGSFLTFLPHGGISGFKDFVQTFHLRSKDLYL  
VMPEWKYFKYESSASKCKILKNNSSDASFDWLMEQKFDMAFSESSHNIYNAVHAIHALHEVNLQQVDNQ  
AIDNGKGASSHCLKVNSFLRKIHFTNPLGDKVIMKQRVIMQEEYDIFHFGNLSQHLGKVKLGKFSYPYS  
HGRNFHLYVDMLEVATGSRKMPSSVCSAECSPGFRRLWKEGMAACCFVCSPCPENEISNETNMDQCVNCP  
EYQYANTEQNKCIQKGVTFLSYEDPLGMALALMAFCFSAFTAVVLCVFKHHDTPIVKANNRILSYLLLI  
SLMSCFLCSFFYIGHPNRATCVLQQITFGIVFTVAVSTVLAKTVTVLAFKVTDPGRRLRNFLVSGTPNY  
IIPICSLQLQCVLCAIWIIEVSPPFVDIDEHSQHGHIIVCNKGSVTAFCVLYLACLALGSFTLAF LAKN  
LPDTFNEAKFLTF SMLVFFSVWVTF L P V Y H S T K G K V M V A V E I F S I L A S S A G M L G C I F A P K I Y I I L M R P E R  
NSTQKIKVRNSTQKIKEKSYF

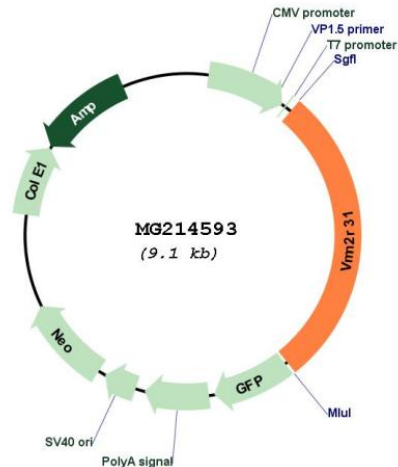
TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_001105062

**ORF Size:** 2583 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\\_001105062.1](#), [NP\\_001098532.1](#)

**RefSeq Size:** 2586 bp

**RefSeq ORF:** 2586 bp

**Locus ID:** 100042591

**Cytogenetics:** 7 A1