

## Product datasheet for **MG214448**

### Vmn2r101 (NM\_001104563) Mouse Tagged ORF Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Vmn2r101
<b>Synonyms:</b>	EG627576
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >MG214448 representing NM\_001104563  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCTCCTCTGGATTTTTATCTTCAGGCTTTGGATATCCCAAATTTGTCTCTGCTTTTACCTATAATA  
TCAGTAGATGTTATTTCAATACTCACTGAAGAATTTACCATGAAGGAGATGTTGTGGTTGGTGCATTTTT  
CCCTCTTACACTTTCTACACGGAAAAGAAAATGCCACATTCAACTGTACCATATGAATATTTGGACAAT  
CAAATACAGTAACTTTAAGAAGTACCAGTATATTCTTGCTCTGCAATTTGCAATTTGAGGAGATCAATG  
GGAACCCCAATCTGCTACCCAACATATCTTTGGTTTTGATTTTTACAATGTCAGATTCAGTGAAGTT  
CACTCTTGATAATGCTTTTATTTGGCTCACAGCTCTTGCAAAAGAAAGTATTTACCTAATTATAGTTGT  
AAAAAGAGAAAATTTCACTGCAGCACTCACAGGAACATCATGGGTAACATCTGCCAGATAGGGACATTGC  
TTCAACTCTTAAATTTCCACAGATTAATTTGGACCTTATGATCCTTTAATAGTGACCGTGATCAGTA  
TCCTTCTCTACAGATGGCCTCCAAGGACACATATCTTCACTTGCCATTGTTTCATTAAATGGTTCAT  
TTCAGTGGTTCATGGGTTGGTCTCACTCCCTGATGACCACAAAGGAAAATAAGATTGTATCAGATTTTA  
GGGACGAGATGGAGAGAAAAGGCATCTGCCTAGCTTTGTAAAAATGATCCCAGGCACATGGACTTCACA  
TTTTGCCAAATTTGGGAAACATATGGATGAGACAAATGTAACAATGTTTATGGTGATGTTGATTGCTA  
GAAGTGTAATGAGGAATTTGAACAAAGGTTATTGACACGGAATGCTGGAACATGAACATTGAACACC  
ATGTTATTGACAGAGCTGACTATTTCACTGTTAGACTCATTCCATGGAAGCCTAATTTTTAAGCACAAATTA  
CAAAGAGAATTTGATTTTACCAAATTTATTCAAACAGTTAATCCTAATAAATACCCAGAAGACATTTAT  
CTTCTAAGCTGTGGTATTTATTTTCAAGTGCTCATTGCTGACATTAATTGTCAAGTTTTGAACAACT  
GTCAAACCAATGCTTCTTTCGATATATTACCTCGACACATATTTGATGTGGTTCATGAATGCAGAGAGCAC  
AAGTATTTACAATGGTGTGATGCTGTGGCTCACAGCCTCCATGAGATGACACGTCAGCAACTTCAAAGG  
CAACCATATGAAAATGGAGAAGGGATGTTGTTCTTCCATGGGAGCTTAACACTTTCCTGAAAGACATTG  
AACTGAAAGACAAATGGAGTTAGATTGGAGACAGACAATAGATACAGAGTATGACATTCTTAACCTTTG  
GAATTTACCAAAGGGCCTTGGATTAATAAATGAAAATAGGATCCTTTCTGCAAAATGCTCCTCAGGTA  
TAAGTGTGCTTATCTGAACACATGATACAATGGCCAGAAAACATTTTCAGAGATCCCCAGTCTGTATGCA  
GTGAGAGTTGTAAGCCTGGATTGAGAAAAGTAAACCTAGAGGGCAAGGCCATCTGCTGCTACAAGTGCAC  
TCCTTGTGGAGACAATGAGATTTCTAATGAGACAGATGTTTACCAGTGTGTGAAGTGTCCAGAAGGTCAT  
TATGCAAAATAAAGAGAGGAAAATCCTGCTTCCAAAATCTATGACGTTCTTGCCTATGAAGACCCCTTGG  
GGATGGCTCTAGCCAGCATAGCTTTGTGCTTATCTGCACTCACATTCCTTTGTTATTGGCATCTTTGTGAA  
ACACAGAGATACCCCTATTGTAAGGCAAATAATCGAACTCTCAGTTACATTTTGTCTCATCACACTCACC  
TTCTGTTTCTTATGTTCTTTGAACTTCATTGGTCAGCCAAACAGAGCTACCTGCATCCTTCAGCAGACTA  
CCTTTGCAGTTACTTTCACTGTGGCTCTTGCTACTGTGTGGCCAAAGCTATTACTGTGGTCCTTGCCTT  
TAAGGTCAGTTTTCCAGGGAAAATAGTAAGGTGGCTAATGTTATCAAGAGGTCCAAACTACATCATTCT  
ATATGTACCCTGATCCAACTTCTTCTTTGTGGAATATGGATGACAACCTCTCCACCGTTTATTGACCTAG  
ATGCTCACTGAATATGGACACATCATATTTGTGCAATAAGGGCTCAGCTGTTGCCTTCCACTCTGT  
CCTGGGATACCTCTGTTTCTTGGCCCTTGGGAGTTATACCATGGCCTTCTGTCTAGAAATTTGCCTGAT  
ACATTCACGAATCCAAATTTCTGTCACTCAGTATGCTGGTGTCTTCTGTGTCTGGCTCAGTTTTCTTC  
CTGTCTCCACAGCACTAAAGGGAAGATCATGGTTGCTATGGAAGTATTTTCAATCTTGGCTTCCACCAC  
AGCACTCCTTGCCTTCAATTTGGACCCAAGTGTACATTATCTTGTGAGACCAGAGGAGAATTCATT  
ACTCATATTCAGAAGAAAACACTCTAGAAGGAAGAAATTTTCTAAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

&gt;MG214448 representing NM\_001104563

Red=Cloning site Green=Tags(s)

MLLWIFIFRLLDIPKFVSAFTYNISRCYFIITEEFHHEGDVVVGAFPLHTFYTEKKMPHSTVPYEYLDN  
QIQYNFKNYQYILALQFAIEEINGNPPLLPNISLGFDFYNVRFTEKFTLDNAFIWLTALVQRKYLPNYSC  
KKRNFTAALTGTSWVTSAQIGTLLQLFKFPQINFGPYDPLLSDRDQYPSLYQMASKDTYLSLAIVSLMVH  
FRWSWVGLILPDDHKGKIVSDFRDEMERRGICLAFVKMIPGTWTSHF AKFWEHMDETNVTIVYGDVDSL  
EGVMRNIQRLLTRNVWMMNIEHHVIDRADYFMLDSFHGSLIFKHNYKENDFDTKFIQTVPNPKYPEDIY  
LPKLWYLFFKCSFADINCQVLNCCQTNASFDILPRHIFDVVMAESTSIYNGVYAVAHSLHEMTRQQLQR  
QPYENGEGLFFPWELNTFLKDIELKDKWSLDWRQIDTEYDILNLWNLPKGLGLKMKIGSFSANAPQGK  
QLSLSEHMIQWPETFSEIPQSVCSSECKPGFRKVNLEKAI CCYKCTPCGDNEISNETDVYQCVKCP EGH  
YANKERKSCFQKSMTFLAYEDPLGMALASIALCL SAL TFFVIGIFVKHRDTPIVKANNRTL SYILLITLT  
FCFLCSLNF IGQPNRATCILQQTTFAVTFVALATVLAKAITVVLAFKVSFPGKIVRWLMLSRGPNIIP  
ICTLIQLLLCGIWMTTSPPFIDLDAHTEYGHIIILCNKGS AVAFH SVLGYLCFLALGSYTM AFLSRNLPD  
TFNESKFLSF SMLVFFCVWLTFLPVFHSTK GKIMVAMEVFSILASTALLAFIFGPKCYII LLRPEENSF  
THIQKKTHSRRKNFPKI

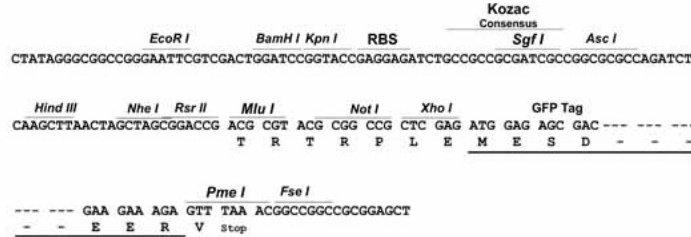
TRTRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



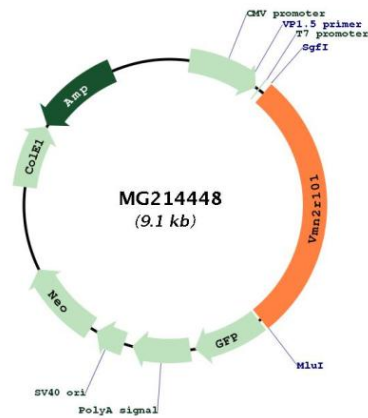
**ACCN:** NM\_001104563

**ORF Size:** 2571 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<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>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_001104563.1, NP_001098033.1</u>
<b>RefSeq Size:</b>	2574 bp
<b>RefSeq ORF:</b>	2574 bp
<b>Locus ID:</b>	627576
<b>Cytogenetics:</b>	17 A3.2

**Product images:**

Circular map for MG214448