

## Product datasheet for **MG214082**

### **Vmn2r36 (NM\_001105068) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Vmn2r36 (NM_001105068) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vmn2r36
Synonyms:	100042724; Gm3991
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG214082 representing NM\_001105068  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTTCATTTTCATGGGAGTCTTCTTCCTCCTTAATATTACACTTCTCATGGCCAATTTTCATTGATCCCA  
 GGTGCTTTTGGAGAATAAATTTGGATGAAATAACGGATGAATATTTGGGATTAACCTTGCTTTTCATCCT  
 GGCAGCAGTTCAGACACCCACTGAAAAAGATTATTTCAACAAGACTCTTAATTTTCTAAAAACAACCTACA  
 AACACAAATATGCTTTGGCATTGGTGTGGCAATGGATGAAATCAACAGAAATCCTGATCTTTTACCAA  
 ATATGTCTTTGATTATAAGATACGCTTTGGGCCATTGTGATGGAAAACTGTAACACCTACACCATATTT  
 ATTTTCATAAAAAAAAAAAGCCCTATCCCTAATTATTTCTGTAATGAAGAGAGTATGTGTTCTTTCTG  
 ATTTTCAGGACCCAATTGGAAGGTATCTTAAGTTTCTGGAAGTACCTGGACAGCTTTTTATCTCCACGTA  
 TCTTTTCAGCTTACCTATGGACCTTCAGTTCATCTTCAGTGATGATGAACAATATCCCTATCTCTATCA  
 GATGGCCCAAGGACACATCTCTAGCATTGGCAATGGTCTCCTTCATACATTACTTCAACTGGAATTGG  
 ATTTGGCCTTGTCATCCCAGATGATGATCAAGGAAACCAATTTCTTTTAGAGTTGAAGAAACAGAGTGAAA  
 ACAAGGAAATTTGCTTTGCCTTTGTGAAAATGATCTCTGTTGATGATGTTTCATTTCCACAAAATACTGA  
 AATGTACTACAACCAATTTGTGATGTCATCCACAAATGTTATTATCATTTATGGAGAAACATACAATTTT  
 ATTTGATTTGATCTTCAGAATGTGGGAACCTCCCATTTTACAGAGAATATGGATCACCAACAAAACAATTGA  
 ATTTCCCTACCAGGAAAAAGACATAAGTCATGGCACATTTCTATGGATCACTTACTTTTCTACCCACCA  
 TGGTGAGATTTCTGGCTTTAAAAATTTGTACAGACATGGTCCATTTTCCAGAAACACAGATTTATATCTA  
 GTAATGCCAGAGTGGAAATTTTAACTATGAAGACTCAGCATCTAACTGTAATACTGAAGAACAATT  
 CATCTGATGCCTCATTGATTGGCTAATGGAACAGAAGTTGACATGACCTTTAGTGAGAGTGCATATAA  
 CATATACAATGCTGTGCATGCCATAGCCATGCCCTCCATGAGATGAATCTGCAAAAAGGCTGATAATCAG  
 GCAATAGACAATGAAAAAGAGCCAGTTCTCACTGCTTGAAGGTAAGTAACTCCTTTTCTAAGAAGGGCTACT  
 TCACTAATCCTCTTGGGGACAAAGTGTATGAAATCAAAGAGTAATAATGCAGGATGAATATGACATTAT  
 TCACTTTTGGAACTCTCACAACACCTTGGGATTAAGATGAAGTTAGGAAAGTTCAGCCCATATTTACCA  
 CATGGTCGACACTCTCACTTATATGTAGACATGATTGAGTTGGCCACAGGAAGAAGAAAGATGCCATCCT  
 CTGTGTGACAGTGCAGATTGTAGTCTGGATTGAGAAGATTATGGAAGGAGGGAATGGCTGCCTGCTGTTT  
 TGTTTGCAGCCCCTGCCCTGAAAATGAAATTTCTAATGAGACAAATATGGATCAATGCATGAATTGTCCA  
 GAATACCAATATGCCAACACTGAACAGAACAAATGTATTCAGAAAGGTGCACCTTTCTAAGCTATGAAG  
 ACCCCTTGGGAATGGCACTTGCCTAATGGCCTTCTGCTTCTCTGCATTACAGCTGTGGTACTTTGTGT  
 CTTTGTGAAGCACCATGACACTCCTATTGTGAAGGCAATAACAGAAGCCTCAGTCACTATTACTCATG  
 TCACTCATGTTCTGTTTTCTGTGCTCCTTTTCTTCAATTGGCCTTCCAAACAGAGCCATCTGTGCTTAC  
 AGCAAAATCACATTTGGAATTGTATTCACTGTGGCTGTTTCCACAGTTCTGGCCAAAACAGTCACTGTGGT  
 TCTGGCTTTCAAAGTACAGACCCAGGGAGAAGATTGAGAAACTCCTGGTATCAGGGACACCCAACTAC  
 ATTATCCCATATGTTCCCTACTCCAATGTGTTCTGTGTGCAATCTGGCTAGCAGTTTCTCCTCCCTTTG  
 TTGATATTGATGAACACACTCTCCATGGCCACATCATATTGTGTGCAACAAGGGCTCAGATACTGCATT  
 CTACTGTATCCTGGGATATTTGGCCTGCCTGGCACTTGAAGCTTCTCTGCTGCTTTCTGGCCAAGAAT  
 CTGCCTGACACATTCATGAAGCCAAGTTCTTGACCTTACAGCATGCTAGTGTTCAGTGTCTGGGTCA  
 CCTTCCCTCTGTCTACCATAGCACCAAGGGCAACACATGGTTGCTGTGGAGATCTTCTCCATCTTGGC  
 ATCCAGTGCAGGGATCCTTGGATGTATATTTGTACCCAAGATTTATATCATTTTAAATGCTACCAGAGAGA  
 AATTCTACCCAAAAGATCAGGAAAAATCATATTTT

**ACGGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:** >MG214082 representing NM\_001105068  
Red=Cloning site Green=Tags(s)

MFIFMGVFFLLNITLLMANFIDPRCFWRINLDEITDEYLGLTCAFILAAVQTPTEKDYFNKTLNFKTTT  
NHKYALALVFAMDEINRNPDLLPNMSLIIRYALGHCDGKTVTPPYLFHKKKSPIPNYFCNEESMCSFL  
ISGPNWKVSLSFWKYLDSFLSPRIFQLTYGPFSSIFSDDQYYPYLYQMAPKDTSLALAMVSFIHYFNWNW  
IGLVIPDDDQGNQFLELKKQSENKEICFAFVKMISVDDVSFPQNTEMYYNQIVMSSTNVIIYGETYNF  
IDLIFRMWEPPILQRIWITTKQLNFPTRKDISHGTFYGSFLTFLPHHGEISGFKNFVQTFHFRNTDLYL  
VMPEWKYFNYESASNCKILKNNSSDASFQDLMEQKFDMTFSESSHNIYNAVHAIHALHEMNLQKADNQ  
AIDNGKRASSHCLKVNSFLRRAYFTNPLGDKVFMNQRMQDEYDIHFVWLSQHLGIKMKLGKFSPLYLP  
HGRHSHLYVDMIELATGRRKMPSSVCSADCSPGFRRLWKEGMAACCFVCSPCPENEISNETNMDQCMNCP  
EYQYANTEQNKCIQKGVTFLSYEDPLGMALALMAFCFSAFTAVVLCVFKHHDTPIVKANNRSLSYLLLM  
SLMFCFLCSFFFIGLPNRAICVLQQITFGIVFTVAVSTVLAKTVTVVLAFAKVTDPGRRLRNFLVSGTPNY  
IIPICSLQLQCVLCAIWLAVSPPFVDIDEHTLHGHIIVCNKGSDFYFCILGYLAACLALGSFLAFLAKN  
LPDTFNEAKFLTFSMVFCVWVTFPLPVYHSTKKGHMVAVEIFSIASSAGILGCIFVPKIYIILMLPER  
NSTQKIREKSYF

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



<b>ACCN:</b>	NM_001105068
<b>ORF Size:</b>	2556 bp
<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	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>RefSeq:</b>	<a href="#">NM_001105068.1</a> , <a href="#">NP_001098538.1</a>
<b>RefSeq Size:</b>	2559 bp
<b>RefSeq ORF:</b>	2559 bp
<b>Locus ID:</b>	100042653
<b>Cytogenetics:</b>	7 A1