

## Product datasheet for **MG213176**

### Vmn2r55 (NM\_001104645) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vmn2r55 (NM_001104645) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vmn2r55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MG213176 representing NM\_001104645  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGTGGGGCTACCGGTGGCCAGAGTTTCGTCTTTGCCATTGAGGAGATTAATAGGAGTGTCTACTTGT  
TGCCCAATTTGACACTGGGCTTCTCCATTCGAAACTCTGGAGACTCAGTGCATGGAGCCCTCTATGAGAC  
AATGGGCTTTCTCACAGGGCAGGAGGCCATCCCCAACTACACATGCCAGCATGGCTCTCCTCAGGCT  
GCCTTGGTTGGGGACACACGGTCTTCCCTGTCTGTCTCCATGGCCAGACTTCTGGGGCTGTACAAGTTTT  
CCCAGGTCAGTTACTCATCTTCACTACCCAGTCTGAGTGACAAGATCCAGTTTCCATCTTTTCTCGGAC  
CCTGACTAGTGACATTACATCTTCCATGCAGTTACCCAGCTGATAATCACTTTCAATGGTCTGGGTG  
ATCATTCTTGCCCAAGATGATGACTTTGGGCAGCAGGCCAGCTCTCTGGCCACTCAGCAGCTGAGTCCAG  
CTGGGGTTTGCATAGAGTATCACCTCCAGTCCCTTCCATCAGTCTTGGGAAGATTGAAGAGACTGT  
CCAGAAGATGCAGAAATGTACATCCAAAGTTGTTCTGGTTTTCTAAGCAATTCTAATTTCCAGCTCATC  
CTACATGGCTTACTGGGTGCCCTGTCTCAGGACAGGTGTGGGTGAGCAAGGCCTCTGCACATGGCAC  
TTGCCCTGACCATACCAGGCATTTCCAGGTGTTGCAAGGCACATTTGGCCTTCTGTATCACAGCAGCAG  
GGCTATCGGCTTCCCTGAGTTCCCTTGTCTCACCTGCGCCCCAGCCAGACCCAGAAGACATGTTTATAAAG  
AAGTTCTGGGAGTTCACCTTTGATTGTACGTGGCCCTACCAGAACAGCACAGTGACAGAGGGTGTCCAGT  
TCTGCACAGGGAATGAGAGTCTGAAAAACAAGCCACATCCATTTCCAGAAGTGAAGTAAATTTGATGCTGC  
TTACACAGCTGTCTACAGCATTGCCATGTCTGCACAATATGCTAGCCTGTGAGCACCAGGAGAGGAAA  
GGTACAAATTCACAACCTCCATTCTGGCAGCTGCTCCATGCCCTCAAAAAGGTACACTTCAAGACTC  
GGATGGAATCAAGATTATGTTTGTAGCCAATGGAGATTTGGTGACAAAATTTGATATTTTCCAAGGGCA  
GAAGACTCCTGCAGGTGATTCCACTTGGTGCATGTAGGCATGATAGACCCTCAAGTCTCTTCTGGGAAC  
AAAATGATGGTTCAGTTGAAGGAGGATCTCCAAGTAAGTTCCCTGAATGCAGAGAAAAGTGTGTCTAG  
AATCCAGCCCTTCAAAGGATAATAACAGAAAAAACCAATACAAGGACGGAAACCATGCTCTAGAAAAAG  
CAAGAAGTGTACAGAAATGGTGTCTATGTGTCTCCACAGACATGAAGAGATGTCTTGTGCCCCAAG  
GAGCAGTACTCGAGCCACACCAGAGACATTGCCTGCCAGGACAGAGATCTTCTGGCCTTTGAGGAAC  
CACTGGGATTCATATTGGCTTTGGTAGCACTCTTGTGGCTGGTCTGGCTGTCTGGTCTTGGAGTGT  
CCTGAAGCACCGGATACACCTGTGGTTAGGGCCAACAACAGAAGTCTGAGCTACTTCTCTGATCTCT  
CTTTCCCTGTGTGCCCTGTGTGCCCTTGTCTTCTTGGGAGACCCACTGTCACCACCTGCCTCCTCCGTC  
AGACCACCTTTGCTGTGGTGTTCACAGTGGCTGTCTCCTCTGTTCTGGCCAAGACTCTCACAGTAGTCTT  
GGCATTCAAAGTCAACAGACCACGAAGCAGGATCCAGATATGCCTGAGCCCTGGTACTTCAACCTTAGTG  
GTCCTCATTGCTTCTTAATACAGGTTGTTCTCTGTGGGGTGTGGTTGGCCACCTTCCCACCATTCCCAG  
ACAAGGATATGCTCTCAGAGCCCCAGCACATTGTATCCAATGCCATGATGGTCTGGTGCCACCTTCTT  
CTGTGTGCTGGGCTACTTGGTTTCTGGCAGGGGGTACCTTCTCTGTGGCTTTTCTGGCTAGAGACTTA  
CCAGATGTCTTCAATGAGACCAAGTTCCTCACCTTCAGCATGTTGCTCTTCTGTAGTGTCTGGACAGCCT  
TCCTTCCCCTGTACTACAGTCCCCGGGAAAGTCCACCGTGGCTGTAGAGATCTTCTCCATCCTGGCCTC  
TACCGCTGGACTTCTTGGTGGCATCTTTATTCGAAGTGTACATCATCTTACTGAAACCTGAGAAGAAC  
ACTCCTTCTGGCTAAAGCAAGGCCATCATATA

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG213176 representing NM\_001104645  
 Red=Cloning site Green=Tags(s)

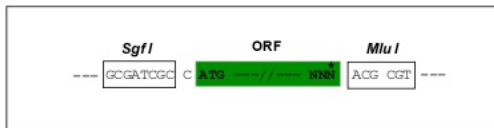
MWGYRVAQSFVFAIEEINRSAHLLPNLTLGFSIRNSGDSVHGALYETMGFLTQEEPIPNYTCQHGSPQA  
 ALVGDTRSSLVSMARLLGLYKFSQVSYSSSLPSLSDKIQFSPFLRTLSDITSSHAVTQLIIHFQWSWV  
 IILAQDDDFGQQASSLATQQLSPAGVCIEYHLHVP SHQSLGKIEETVQKMQKCTSKVVLVFLSNSNFQLI  
 LHGLLGVPVSGQVWVSKGTLHMALALTIPGISQVLQGTGFLLYHSSRAIGFPEFLAHLRPSQTPEDMFIK  
 KFWEFTFDCTWPYQNSTVTEGVQFCTGNESSLKNKPHFPPEVSKIDAAYTAVYSIAHALHNMLACEHQERK  
 GTNSHNFHSWQLLHALKKVHFKTLDGIKIMFDANGDLVTKFDIFQGQKTPAGVFHLVHVG MIDPQVSSGN  
 KMMVQLKEDLQVSSLNAEKTVVLESSPSKDNRRKPIQGRKPCPRKSKKCYRNGVYVSP TDMKRCLLCPK  
 EQYSSHRDRHCLPRTEIFLA FEEPLGFILALVALLAGLAVLVGVFLKHRDTPVVRANNRTL SYFLLIS  
 LSLCALCALLFLGRPTVTCLLRQTTFAVVFTVAVSSVLAKTLTVVLA FKVTRPRSRIQICLSPGTSTLV  
 VLIASLIQVVLGCVWLATFPPFPDKDMLSEPQHIVIQCHDGS GATFFCVLGYL GFLAGGTF SVAFLARDL  
 PDVFNETKFLTFSMLLFCSVWTAFLPLYY SARGKSTVAVEIFSILASTAGLLGGIFIPKCYIILLKPEKN  
 TPSWLKQGHHI

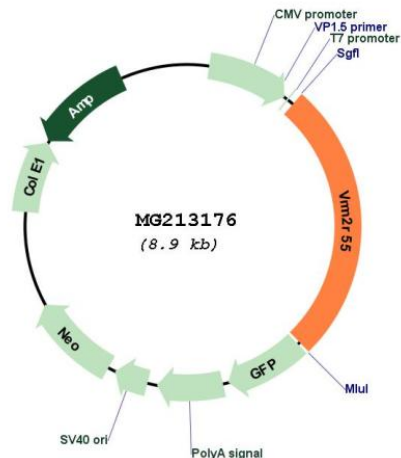
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



**Plasmid Map:**


**ACCN:** NM\_001104645

**ORF Size:** 2343 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\\_001104645.1](#), [NP\\_001098115.1](#)

**RefSeq Size:** 2346 bp

**RefSeq ORF:** 2346 bp

**Locus ID:** 100042499

**Cytogenetics:** 7 A1