

## Product datasheet for **MR212236**

### **Vmn2r56 (NM\_001104648) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                           |
| Product Name:             | Vmn2r56 (NM_001104648) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                       |
| Symbol:                   | Vmn2r56                                       |
| Synonyms:                 | EG629079                                      |
| Mammalian Cell Selection: | Neomycin                                      |
| Vector:                   | pCMV6-Entry (PS100001)                        |
| E. coli Selection:        | Kanamycin (25 ug/mL)                          |



[View online »](#)

**ORF Nucleotide Sequence:**

>MR212236 representing NM\_001104648  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGGGCTACCGGTTGCCAGAGTTTCGTCTTTGCCATTGAGGAGATTAATAGGAGTACTCACCTGT  
 TGCTAATTTGACACTGGGCTTCTCTATTTCGAACTCTGGGACTCAGCGCATGGAGCCCTCTATGAAAC  
 AATGGGCTTTCTCACAGGGCAGGAGGCCATCCCCAACTACACATGCCAGCATGGCTCTCCTCAGGCT  
 GCTTTGGTTGGGACACACGGTCATCCCTGTCTGTCTCCATGGCCAGACTTCTGGGGCTGTACAAGTTTC  
 CCCAGGTCAGTTACTCATCTTCACTACCCAGCCTGAGTGACAAGATCCAGTTTCCATCCTTCATTCCGGAC  
 CCTGACTAGTGACCTCACATCCTCCATGCAGTTACCCAGCTGATAATCACTTCCAGTGGTCTGGGTG  
 ATCATTCTTGCCATGATGATGACTTTGGGCAGCAGGCCAGCTCTCTGGCCAGTCAGGTGCTAACCCAG  
 CTGGGGTTTGCAATTGAATTTACCTCTATGTCCCTTCCATCAGTCTTGGGGAAGATTGAAGAGACTGT  
 CCGGAAGATGCAGAAATGTACAGCCAGAGTTGTTCTGGTTTTTCTAAGCAATTATAATTTCCAGCTCATC  
 TTGATAGGCTTGCTAGCTGTCCCTGTCTCAGGACAGGTGTGGGTGAGCAAGACACTCTGCACATGGCAC  
 TTGCCCTGACCATACCAGGCATTTCCAGGTGTTGCAAGGCACATTTGGCCTTCTGTATCACAGCAGCAG  
 GGCTATTGGCTTCCCTGAGTTTCTTGTCTACCTGCGCCCCAGCCAGACCCAGAAGACATGTTTATAAAG  
 AAGTTCTGGGAGTTCACCTTTGATTGTATGTGGCCCTACCAGAACATCACAGTGACAGAGGGTGTCCAGT  
 TCTGCACAGGGAATGAGAGTCTGAAAAACAAGCCACATCCATTTCCAGAAGTGAGTAAAATTGATGCTGC  
 TTACACAGCTGTCTACAGCATTGCTCATGCCCTACATGATATGATATCCTATGAGCACCAGGATGGGAAA  
 GGTACAACTCCAGGACTTCCAGCCCTGGCAGCTGCTTCATGTCTCAGAAAGGTGCACATTTCAAGGCA  
 CCGATGGAAGTGAGATTATGTTTGTGATGCAATGGAGATTGGTGACAAAATTTGACATTTTCAAGGCA  
 GAAGACCCCGATGGTGTATTTCACTTGGTCTGTGTTGGCTTGATAGACCCCTCAAGCCTCTTCAGGGAAC  
 AAAATGATGGTCCAAAAGAAAATGTTGAAGTATCAAATGAAGCATGCCAGGTGCCACCTCTGTCTGCA  
 GTGAAAGTGCCTTCCAGGGTTCAGCCAAGTGCCAGACTGGGAGCCCCCACTGCTGTTTTGATTGCAG  
 CCCATGCCCTGAGGGACAGTTTGCAGACCAAAGAGACATGAAGAGATGTCTTCTGTGCCCAAGGAGCAG  
 TACTCGAGCCACACCAGAGACCATTGCCTGCCAGGACAGAGATCTTCTGGCCTTTGAGGAACCACTGG  
 GATTTCATATTGGCTTTGGTAGCACTCTTGTGGCTGGTCTGGCTGTCTGGTTCTTGAGTGTTCCTGAA  
 GCACCGGGATACACCTGTGGTTAGGGCCAACAACAGAACTCTGAGCTACTTCTCCTGATCTCTCTTTCC  
 CTGTGTGCCCTGTGTGCCTTGTCTTCTTGGGAGACCCACTGTCACCACCTGCCTCCTCGGTGAGACCA  
 CCTTTGCTGTGGTGTTCACAGTGGCTGTCTCCTGTTCTGGCCAAGACTCTCACAGTAGTCTTGGCATT  
 CAAAGTACCAGACCACGAAGCAGGATCCAGATATGCCTGAGCCCTGGTACTTCAACCTTAGTGGTCCCTC  
 ATTGCTTCCCTAATACAGGTTGTTCTCTGTGGGGTGTGGTTGGCCACCTTCCCACCATCCAGACAAGG  
 ATATGCTCTCAGAGCCCCAGCACATTGTATCCAAATGCCATGATGGTTCTGGTGCCACCTTCTTCTGTGT  
 GCTGGGCTACTTGGGTTTCTGGCAGGGGTACCTTCTCTGTGGCTTTTCTGGCTAGAGACTTACCAGAT  
 GTCTTCAATGAGACCAAGTTCTCACCTCAGCATGTTGCTCTTCTGCAGTGTCTGGACAGCCTTCTTCC  
 CCCTGTACTACAGTCCCCGGGAAAGTCCACCGTGGCTGTAGAGATCTTCTCCATCCTGGCCTTACCAGC  
 TGGACTTCTGGGTGGCATCTTTATCCCAAGTGTGCATCATCTTACTGAAACCTGAGAAGAACACTTCT  
 TCCTGGCTCAGGCAAGGCCATCATGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR212236 representing NM\_001104648  
Red=Cloning site Green=Tags(s)

MWGYRVAQSFVFAIEEINRSTHLLPNLTLGFSIRNSGDSAHGALYETMGFLTGQEEPIPNYTCQHGSQA  
ALVGDTRSSLVSMARLLGLYKFPQVSYSSSLPSLSDKIQFSPFIRTLTSDLTSSHAVTQLIIHFQSWV  
IILAHHDDFGQQASSLASQVLTAGVCI EFYL YVPSHQSLGKIEETVRKMQKCTARVVLVFLSNYNFQLI  
LYGLLAVPVSGQVWVSKDTLHMALALTIPGISQVLQGTGFLLYHSSRAIGFPEFLAHLRPSQTPEDMFIK  
KFWFEFTDCMWPYQNIITVTEGVQFCTGNESLKNKPHPFPEVSKIDAAYTAVYSIAHALHDMISYEHQDGK  
GTNSQDFQPWQLLHVLRKVHFKTPDGSEIMFDANGDLVTKFDIFQGKTPDGVFHLVCVGLIDPQASSGN  
KMMVQKKMLKYQMKHAQVPTSVCSESLPGFSQVPRLGAPHCCFDCSPCEGQFADQRDMKRCLLCPKEQ  
YSSHTRDHCLPRTEIFLAFFEEPLGFILALVALLAGLAVLVLGVFLKHRDTPVVRANNRRTLSYFLLISLS  
LCALCALLFLGRPTVTTCLLRQTTFAVVFTVAVSSVLAKTLTVVLAFKVTRPRRSRIQICLSPGTSTLVVL  
IASLIQVVLCGVWLATFPFPDKDMLSEPHIVIQCHDGSGATFFCVLGYLGFLAGGTFSVAFLARDLPD  
VFNETKFLTFSMLLFCSVWTAFLPLYYARGKSTVAVEIFSILASTAGLLGGIFIPKCCIIILLKPEKNTS  
SWLRQGHV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9093\\_g10.zip](https://cdn.origene.com/chromatograms/mm9093_g10.zip)

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_001104648

ORF Size: 2337 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\\_001104648.1](#), [NP\\_001098118.1](#)

**RefSeq Size:** 2340 bp

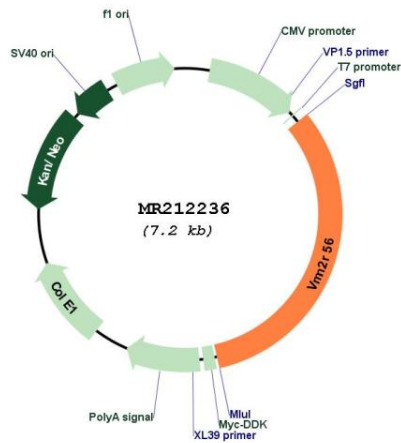
**RefSeq ORF:** 2340 bp

**Locus ID:** 629079

**Cytogenetics:** 7

**MW:** 86.3 kDa

**Product images:**



Circular map for MR212236