

Product datasheet for **MR213176**

Vmn2r55 (NM_001104645) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vmn2r55 (NM_001104645) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vmn2r55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR213176 representing NM_001104645
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGGGCTACCGGTGGCCAGAGTTTCGTCTTTGCCATTGAGGAGATTAATAGGAGTGTCTACTTGT
 TGCCCAATTTGACACTGGGCTTCTCCATTCGAAACTCTGGAGACTCAGTGCATGGAGCCCTCTATGAGAC
 AATGGGCTTTCTCACAGGGCAGGAGGAGCCCATCCCCAACTACACATGCCAGCATGGCTCTCCTCAGGCT
 GCCTTGGTTGGGGACACACGGTCTTCCCTGTCTGTCTCCATGGCCAGACTTCTGGGGCTGTACAAGTTTT
 CCCAGGTCAGTTACTCATCTTCACTACCCAGTCTGAGTGACAAGATCCAGTTTCCATCTTTTCTCGGAC
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 GGCTATCGGCTTCCCTGAGTTCCCTTGTCTCACCTGCGCCCCAGCCAGACCCAGAAGACATGTTTATAAAG
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 AAAATGATGGTTCAGTTGAAGGAGGATCTCCAAGTAAGTTCCTGAATGCAGAGAAAAGTGTGTCTAG
 AATCCAGCCCTTCAAAGGATAATAACAGAAAAAACAATAACAAGGACGGAACCATGTCCTAGAAAAAG
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 GTCCTCATTGCTTCTTAATACAGGTTGTTCTCTGTGGGGTGTGGTTGGCCACCTTCCCACCATTCCCAG
 ACAAGGATATGCTCTCAGAGCCCCAGCACATTGTCATCCAATGCCATGATGGTCTGGTGCCACCTTCTT
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 TCCTTCCCCTGTACTACAGTGCCCGGGAAAGTCCACCGTGGCTGTAGAGATCTTCTCCATCCTGGCCTC
 TACCGCTGGACTTCTTGGTGGCATCTTTATTCCGAAGTGTACATCATCTTACTGAAACCTGAGAAGAAC
 ACTCCTTCTGGCTAAAGCAAGGCCATCATATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR213176 representing NM_001104645
Red=Cloning site Green=Tags(s)

MWGYRVAQSFVFAIEEINRSAHLLPNLTLGFSIRNSGDSVHGALYETMGFLTGQEEPIPNYTCQHGSPPA
ALVGDTRSSLVSMARLLGLYKFSQVSYSSSLPSLSDKIQFPFLRRTLSDITSSHAVTQLIIHFQSWV
IILAQDDDFGQQASSLATQQLSPAGVCIEYHLHVPSHQSLGKIEETVQKMQKCTSKVVLVFLSNSNFQLI
LHGLLGVPVSGQVWVSKGTLHMALALTIPGISQVLQGTGFLLYHSSRAIGFPEFLAHLRPSQTPEDMFIK
KFWFEFTDCTWPYQNSTVTEGVQFCTGNESLKNKPHPFPEVSKIDAAYTAVYSIAHALHNMLACEHQERK
GTNSHNFHSWQLLHALKKVHFKTLDGIKIMFDANGDLVTKFDIFQGKTPAGVFHLVHVG MIDPQVSSGN
KMMVQLKEDLQVSSLNAEKTVVLESSPSKDNNRKKPIQGRKPCPRKSKKCYRNGVYVSPDMKRCLLCPK
EQYSSHTRDHCLPRTEIFLAEEPLGFILALVALLLAGLAVLVLGVLKHRDTPVVRANNRTL SYFLLIS
LSLCALCALLFLGRPTVTTCLLRQTTFAVVFTVAVSSVLAKTLTVVLAFAKVRPRSRIQICLSPGTSTLV
VLIASLIQVVLGCVWLATFPFPDKDMLSEPHIVIQCHDGSATFFCVLGYLGFLAGGTFVAF LARDL
PDVFNETKFLTFSMFLFCSVWTAFLPLYYARGKSTVAVEIFSILASTAGLLGGIFIPKCYIILLKPEKN
TPSWLKQGHHI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9101_b08.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



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

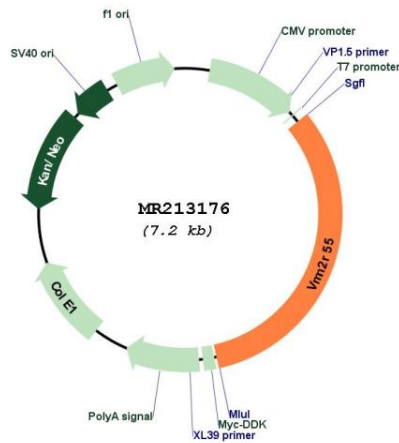
RefSeq ORF: 2346 bp

Locus ID: 100042499

Cytogenetics: 7 A1

MW: 86.5 kDa

Product images:



Circular map for MR213176