

Product datasheet for **MR221818**

Vmn2r72 (NM_001105185) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vmn2r72 (NM_001105185) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vmn2r72
Synonyms:	EG244114; Vmn2r72-ps
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR221818 representing NM_001105185
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTTCTTTGATCTCTGTCTTCTGGTTCTAAAGATTTCTTTATTTTTGTCAATTTGAGTGACCCCA
 AATGCTTTTGGAGAATAAAAGATACTGAAAATAAAATAGGAGATATAGAACTTATTGTTCTTTTCTAT
 TTCACAAAGCCCTGGTTATGTGAAGAATGACTATTTTCATTTTAGAAATTATATTCTCTACTTCTGTTTTT
 AGGGTGACACCCAAGACCAACCATTGATTTTCTCTGTTTATCTTGCCTTGAAGAAATAAATATGAACT
 TCCATATTTTACCTAACATTTCTCTGGTAGTAAATGTTGAATGTCTCCGACAAAAATATGATGAAAAAC
 AGGTTTGGCTTTGCAATCTAAGGAATTTATCCCTAATTACTCTGCACAAATGAAAGAAGATATTTAATT
 ATATTTACAGCTCCTATATGGGCAGTAACAAGACTAGGACCCTCATGTTTCATGTATAGCATTCTCTG
 AGCTTTACTGCGGTCAATTTTCTCTTTTCTTTGAGTGATAATGAGCAATTTCTCACCTTTACCAGATATC
 TCCAAAGGACACATCTCTACCACTAGCCATGGTGTCCCTAATGGTTCATTTCAAATGGAAGTGGATAGGA
 GCGATGATTACAATGATGACCATGGAATTCATTTCTTTCTAAATTTGAGAGGAGAAATGCAAAAAACACA
 TGGTCTGTTTATCATTTGTGTTTGTATCCTAACTGAGCATAGCATGGTCCGTAAGAGTTTCATTAAGAA
 TTTTAATTTAATTGTAAGGTCATCAGCAAAAGTTGTGATAGTTTATGGAGACTATGCCTCTCCCATAGAT
 CTTGCTCCATTGGTTAAATCAAAGGCCTTTTGAATCTGGGTTAGTGTGTACAATTTGATATAA
 TCACAAATCTAGGAGATTTATGCTATATTTCTCTCTGGGACATTCATTTTTTACACCAGAAACCCGA
 AATATCTGGTTTCCAAAAATTTATCAAACAGTATACCCCTCAAATTACAGTAGTGAATTTTCTTTTGGC
 AAATATGGTGGACATATTTAGATGTTCTTTGCCACCATCTAATTGTAACCGTGAAGAATTTGCCCA
 CCAAAATGTATTTAAATGGTTATTCAGGACACCCTTGAATGGCCATGAGTGATACATGCTATAACT
 ATACAATGCTATACATGCTGTGGCCATTTCACTCCATGAGATGCTTCTGCAACAAGTAGACACGTGGTCA
 AATAATGATGGGAAGGATCTTGAATTTGACACCTGGAAGATGTTCTCTATTCTGAAGACATTACAATTTG
 TAAATCTGCTGGAGACCTAGTCAACATGAACCAGAATTTGAAACAGGATACAGAGTATGACATTTTCTA
 TATCATGGATTTTCAAAAACATTATGGATTTAAATGAAAATAGGAAGATTTTTCAGGTACTCTGCCAAGT
 CGTCAACAGCTATATATGCTAAAGAAATGATGGAGTGGGCTACAGATGTGGATCAGATTCTTCCCTCAG
 CATGTAATATCCCTTCAAACCAGGATTCAGAAAAATCCCTGAGGAAGAAATGGATATCTGCTGTTTTGT
 TTGTAACCCCTGCCCTGAAAATGAAATTTCAAACATGACAAACATGGATCAGTGTGTGAAGTGTGAGAA
 GATCAATATGCAATGAAGACCATACTCTTCTCCAAAAAGTTGTGTCTATTTAGATTATAGAGAAC
 CTTTGGGAAAAGCTCTAGCTGGCTTTGCTCTATGCTTCTCTGTCCCTACGTCTGGTATATTTCTGCGTCTT
 CCTGAAACACAGAGAAACTCCCATAGTCAAAGCCAATAACCAAATCTCAGCTATGTACTACTCATCTCC
 CTCATATTTTGTTTTATCTGTTCCCTTGCTTTACATTGGTCATCCCACTACGGTACTCTGTATCCTGCAGC
 AGACCACTTTTGGCATTGCTTTCACTGTGGCTACCTCTACTATTTTGGCTAAGACGATTACTGTTCTACT
 AGCATTCAAGATAACTATTCCAGGAAGAAGAATGAGGTGGCTGCTTGTGTGAGGGGACCCCAAGTATATC
 ATTCTCATATGCACCATGATTGAGCTGATTCTTTGTGGAATTTGGCTGGGAATTTCTCTCCATATGTTG
 ATGCTGATGTACACATGGTACATGGCCACATCATATTGTTTGAACAAAGGTTTCAGTGATTGCCTTCTA
 CTGTGCTCTTGGATACATGGGCTCTTTTGTCTTAAACAAGTTTCACTGTAGCTTTCTTGGCCAGAACCTG
 CCTGATACATTCAATGAAGCCAAGCTCTTGACATTCAGCATGCTGGTGTCTGCAGTGTCTGGATCACTT
 TCATCCCTGTCTACCAAAGCACCAGGCAAGACTATGGTTGCTGTGGAAGTGTCTGTATCTTGGCATC
 AAGTGCAGGGCTTCTTCTTTGCATTTTTGCCCTAAATGTACATTATTTTATTAAGACCACACATAAAT
 TCTTTTCGAAATTTAGGAAGCCACATGCAAAAACTGAAAATATAAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR221818 representing NM_001105185
 Red=Cloning site Green=Tags(s)

MFSLISVFWFLKISFIFCHLSDPKCFWRIKDTENKIGDIETYCSFSISTKPGYVKNDYFILEIIFSTSVF
 RVTPKTNHLIFSVYLALEEINMNFHILPNISLVNVECLRQKYDEKTLGLALQSKEFIPNYSCTNERRYLI
 IFTAPIWAVTTRLGPLMFYSIPELYCGHFHLSLSDNEQFPHLYQISPKDTSPLAMVSLMVHFKWNWIG
 AMITNDDHGIQFLSKLRGEMQKHMVCLSFVFAILTEHSMVRKEFHKNFNLIVRSSAKVVIYVGDYASPID
 LVLHWFKSKGLFRIWVSVSQFDIITNLGDFMLYSSSGTFIFSHQKPEISGFQKFIKTVYPSNYSSEFSFA
 KLWWTYFRCSLPPSNCKTLKNCPTKTVPKWLFRTPGLMAMSDTCYNSYNATHAVAHSLHEMLLQQVDTWS
 NNDGKDLDFDTWKMFSILKTLQFVNPAGDLVNMNQLKQDTEYDIFYIMDFQKHYGFKMKIGRFSGLHPS
 RQQLYMSKEMMEWATDQILPSACNIPCKPGFRKSPEEEMDICCVCNCPENEISNMTNMDQCVKCRE
 DQYANEDHTLFLQKVVSILDYREPLGKALAGFALCFSVLTSGFICVFLKHRETPIVKANNQTLVYLLIS
 LIFCFICSLLYIGHPTTICILQQTTFIAFTVATSTILAKTITVLLAFKITIPGRRMRWLLVSGAPKYI
 ILICTMIQLILCGIWLGTSPPYVDADVHMVHGHIIVCNKGSVIAFYCVLGYMGSFALTSFTVAFLARNL
 PDTFNKALLTFSMLVFCVSWITFIPVYQSTKGKTMVAVEVFCILASSAGLLLCIFAPKCYIILLRPHIN
 SFRNFRKPHAKTENIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9099_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

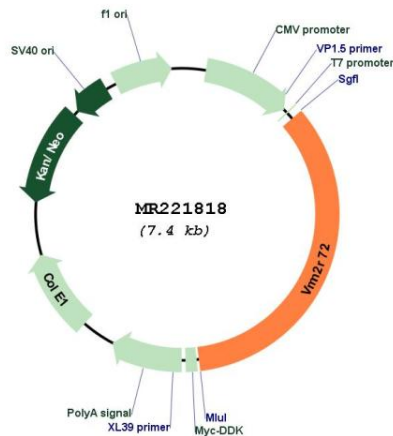
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_001105185
ORF Size:	2568 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:	<ol style="list-style-type: none"> 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:	<u>NM_001105185.1, NP_001098655.1</u>
RefSeq Size:	2571 bp
RefSeq ORF:	2571 bp
Locus ID:	244114
Cytogenetics:	7 D3
MW:	98.3 kDa

Product images:



Circular map for MR221818