

Product datasheet for **MR214445**

Vmn2r70 (NM_001105183) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vmn2r70 (NM_001105183) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vmn2r70
Synonyms:	EG620835
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR214445 representing NM_001105183
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTCTCCTGAACTCTGTCTTCTGGTTCTGAAGATTCCTTTATTTTTGTCAATTTGAGTGACCCCA
 GATGCTTTTGGAGAATAAAAGACTGAAAATAATATAGGAGATACAGAACTTATTGTTCTTTTCTAT
 TTCCACAAAACATGGCTATGTGAAGAATGATTATTTTCAGTTGGAATCTAGACAAGCAGGTGACACCCAAG
 ACCAGGCATTTGATTTTCTGTATTATCTGCCTTGGAGGAAAATAAATGATAGCTTCCATATTTACCCA
 ACATTTCTCTGGTAGTTAATATTGAATGTGCCTACAAAATACGGTGAGAAAATGGTTTGCTCTTGAG
 AAGTGAGAAAATTTTCTAATTAATACTACTGCATAAATGAGAGAAGATAATTAATTGACTTACAGCACCA
 ACATGGCAATATCTACAAAATTTGGACCTTTCTTTTTATGTCCCGAATTCCTGAGGTAATCACTTT
 ACTGCGGTCAATTTTCATCTTCTCTTAGTAATAATGAACAATTTCTCATCTTTACAAAATCTAAAA
 GGACACATCTCTACCACTAGCCATGGTGTCTTAGTGGTTCATTTAGATGGAATGGATAGGAGTAATC
 ATTACAAATGATGACCATGGAATTCATTCCTTTCTGAATTTGAGAGGAGAAATGCAAAACAACTGCT
 GTTTATCAGTTGTTATTACTATCAAAAATCAGAAGCTCGTGGCCCTTAAAGAGTTACATATGAATTATA
 ACAAATCTTAATGTCATCAGCAAAAGTTGTGATAGTTTATGGATACAAAGACTCTCCATAATCTATGCC
 CTCATTTTCATGGAAATCTCATGGCATTTTAGAAATCTGGGTTAGTGTGCACAATTTGATATGATCACGA
 TTCGAGGAGATTTCTGTCTACTCCTCCACTGGGACTTTCAATTTCTCACACCAGAAACCTGAAATATC
 CGGCTTTGAACAATTTATACAAACAGTACACCTTCAAATTACAGTAGTGAAATTTCTTTGCCAAAATC
 TGGTGGACATATTTAGATGTTCTTTGCCACCTTCTGATTGTAAGAACTAAAGAATTTGCCACCAAAA
 TGCTGTGTATGGTGTGGCCCACTCACTCCATGAAATGCTTCTACAACAAGTAGACGCATGGTCAAAGAAT
 GCTGGGAAGAACTGGAATTTGACCTTGGAAAGATGTTCTCTGTTCTGAAGACCATACAATTTATAAATC
 CTGCTGGAGACTTAGTCAATATGAACCAGAATTTGAGACAGGATGTAGAGTATGACGTTTTCTATATCAT
 GGATTTTCAAAAAGTTTATGGACTTAAAATGAAAATAGGAAGATTTTCAGGGCAACTTTCAAGTGGTCAA
 CAGCTATATATGTCTAAAGAAATTTAGTGGGCTACAGATATTGATCAGATTCTACCCTCAATATGTA
 GTATGCCTTGCAGGCCAGGACTCAGAAAATCCCCTCAGGAAGAAAAGGACATCTGCTGTTTTGGTTGTA
 CCCCTGTCCAGAAAATGAAATTTCCAACATGACAACATGGATCAGTGTGTGAAATGTCCAGAAAATCAA
 TATGCCAATGAAGACCATACTCTGCCTCGAAAAGTTGTGGCTATTTTAGATTACAAAGACCCTTTGG
 GAAAGCACTGGCTGGCTTTGCTCTATGCTTCTGTCCCTTACATCTGTTGTATTGGGTATCTTCCTGAA
 AAACAGAGATACTCCCATAGTCAAAGCCAAACAACCAATCTCTCAGCTTTGTCTACTCATCTCCCTCATA
 TTTTGTTTTATCTGTTTCTGTTTACATTGGTCACTCCCACTATGGTCACTGTATCCTGCAGCAGACCA
 CATTTGCCATTGTGTTCACTGTGGCTACCTCTACTATCTTGGCCAAGACAGTTATTGTAGTACTGGCTTT
 CAAGATAACTGTCCCGGAAGAAGAATGAGATGGCTGCTTGGATAGGGGCACCAAAAATACATAATTCTC
 ATATGCACAATAATTCAGCTGATTCTTTGTGGAATCTGGCTAGGAACTTCTCCTCCATTTGTTGATGCTG
 ATGTACACATGGTACATGGCCACATCATATTGTTTGAACAAAGGTTCTGTGATTGCATTCTACTGTGT
 CCTTGGATACATGGGCTCTGTTGCTCTAGCAAGTTTCACTGTAGCTTTCTTGGCCAGGAATCGCCTGAT
 ACATTCATGAAGCCAAGCTCTTGACATTCAGCATGCTGGTGTCTGTAGTGTCTGGATCACTTTTATCC
 CTGTCTATCACAGCACCAAGGCAAGACTATGGTTGCCGTGGAAGTTTTCTATTTTGGCGTCCAGTGC
 AGGGTTGCTTCTTTGCATTTTGGCCCCAAATGCTATATTATTTTATAAAACACAGAAAAATCTTTT
 CAAAAGTTCAGAAAACCATGCTATAGCTGACAAATAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214445 representing NM_001105183
 Red=Cloning site Green=Tags(s)

MFSLNSVFWFLKISFIFCHLSDPRCFWRIKDTENNIGDTETYCFFSISTKHGYVKNDYFSWNLDKQVTPK
 TRHLIFSYYLAL EEINDSFHILPNISLVVNI ECVLQKYGEKTGLLLRSEKLI PNYYCINERRYLIVLTAP
 TWAISTKLGPF LFMSRIPEVNLQYCGHFHLP LSNNEQFP HLYQISKKDTS LPLAMVSLV VHFWRNWIGVI
 ITNDDHGIQFL SELRGEMQNNIVCL SVVITIKTQKLVALKELHMNYKQILMSSAKVVIVYGYKDSPIIYA
 LISWKS HGI FRIWVSVSQFDMITIRGDFLLYSSTGTFIFSHQKPEISGFEQFIQTVHPSNYSSEFSFAKL
 WWTYFRCSLPPSDCKKLNCPKTKTVFKWLFMTPLGMAMSDTCYNLYNAVYGV AHSLHEMLLQQVDAWSKN
 AGKELEFPWKMFSVLKTIQFINPAGDLVNMNQLRQDVEYDVFYIMDFQKVYGLKMKIGRFSGQLSSGQ
 QLYMSKEII EWATDIDQILPSICSMPCRPLRKSPQEEKDICCFCNCPENEISNMTNMDQCVCPENQ
 YANEDHTLCLEKVVAILDYKDPLGKALAGFALCF SVLTSVVLGIFLKNRDTPIVKANNQSLSFVLLISLI
 FCFICSLLYIGHPTMVICILQTTFAIVFTVATSTILAKTVIVVLA FKITVPGRMRWLEIGAPKYIIL
 ICTIIQLILCGIWLGTSPFVDADVHMVHGHIIVCNKGSVIAFYCVLGYMG SVALASFTVAFLARNLPD
 TFNEAKLLTF SMLVFC SVWITFIPVYHSTKGMTMAVEVFSILASSAGLLLCIFAPKCYIILLKPKQNSF
 QKFRKPHAIADNIS

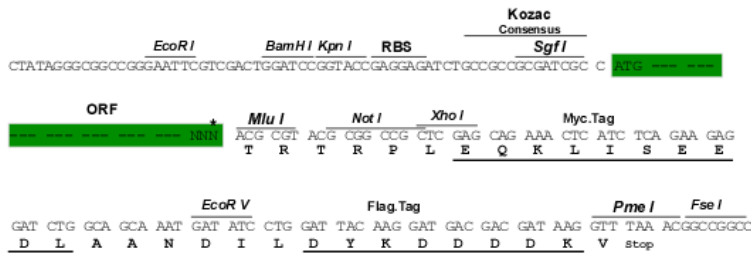
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9094_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

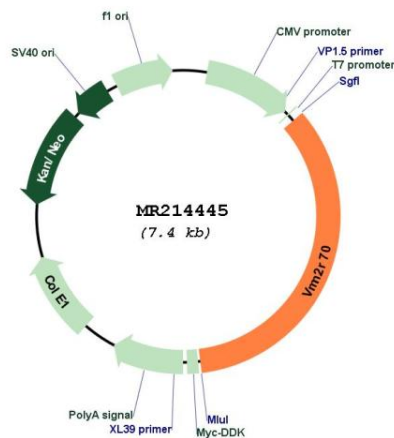
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_001105183
ORF Size:	2562 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:	NM_001105183.1 , NP_001098653.1
RefSeq Size:	2565 bp
RefSeq ORF:	2565 bp
Locus ID:	670940
Cytogenetics:	7 D3
MW:	97.4 kDa

Product images:



Circular map for MR214445