

Product datasheet for **MR214037**

Vmn2r63 (NM_001105060) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vmn2r63 (NM_001105060) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vmn2r63
Synonyms:	EG435975
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR214037 representing NM_001105060
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTCTGGATTTTATCTTTGGAGTTTGTATATCCCAATTTGTATGTGCCTTACTGGTGATAAAAT
 GCTATGGAAAAATCAAGGAATATACTTACCAAGAAGGAGATGTGACAATGGTGCCTTTTTCTCTTCA
 TAGTTACTACACACATGACCATGTTTCCCATGAAATTGAACTATACTATTTCCAGGATATGTACCTAAAG
 TATAATTTTATGAACTACCAGTTTCTTCTGGCCCTGGTGTACCATTGAGGAGATCAACAGAAATCCTC
 ATCTTCTACCCAACAACAACCTCTGGATTGAGCATCATAACATTAATTTCTGAAAAGAATATTCTTCT
 TGGTCCCTTTCTTGGCTCGCAGGGTTGAGCAATCAACTAGTTAATTATAACTGTGGCCAGAAAAGAAAT
 TTACCTGCAGCACTACTGGAACGTCATGGCAATATCTGCCATATTGGGACACTGCTACAACCTTACA
 AAATACCTCAGCTCACTTTTGCATATTTTGATTCTAACATGAATGATCAAAGTCAGTTAAAACCTCTCA
 TCAGGTGGCCCCGAGGACACATATCTGCTACTGGCCTTGTGTCTTTGATGCTTCAATTTAGCTGGTCC
 TGGGTGGGTCTGATTGTCCCAAATGACCCAGAGGGACTCAGATTCTATCAGAGTTTAGAGACGTTATGG
 AAAGTAATAGGATCTGTTTACGCTTTGTGAAAATGATTCTGGCACCTGGAATTCATATTCTGATGCAAT
 ATGGAAAAATATGGAGAAGATTCAGGAATCATCAGCAAATGTGATTGTTATTTGTGGAGACATTGTTTCT
 TTACAAGGTTTAAATGCGACACATTGCACAACCTGTTAGTGACATGGAAAGTCTGGGTCTTGAACCTCAAT
 GGGATATTGACTACTATTCTGATTATTTATGATAGAATCCTTTCATGGGAGTCTCATTTTTTACACCA
 TCATGAAGAGATGGTTGAGTTTGTGAATTTTGTCAAACAGTGAATCCCTACACATACCCAGAAGATGCT
 TATCTTCTAAATTTTGGGTTATTTCTCAATTGCTCTTTTCTGAATTTGATTGCCAATGAGTGAAGAGAG
 ACTGCCAACCCCAATGCATCTTTGGACTTACTTCCAGACACATTTTGGACCAACCATGAGTGAAGAGAG
 CTACAACATATAACAATGCTGTGCATGCTTTGCTCACAGCCTCCATGAGATGACTGTTCAACAAATACAG
 ACACAACCATATGCCAATGGAGACGGAATGGCATTCTTGCCTGGCAGATCCTCCCTTTCTAAAGATCA
 CCTACTTGAAAACCATTAAGCAGTCTGATCTGTAATAGATGAGAGGAAAAAATTATATTGAGAATATGA
 CATTTTTCAATTTTGGAAATTTCCCAACGGGTCTTGGATTAAGATGAAAGTAGGAACCTTTTCTCCAAAT
 TCTCCCCAGGGCCAACAGTTGTCTTTATCTGAGGAAATGATACAATGGCCGACACAGTTTACAAAAATTC
 CTCAGTCTTTGTGAGTGTGAGAGCTGTAGGCTGGATTGAGGAAAGCTGCCAGGAGGGGAAGGCTGTCTG
 CTGCTTTGATTGCATTCTTGTGACAGCAATGAGATTTCCAATGAGACAGATATGGATCAGTGTGTGCAG
 TGTCAGAAAGTCACTATGCAAACCTCAGAGAAGAACCACTGCCTCCAGAAATCTGTGAGCTTTTGGCCT
 ATGAAGAGCCCTTGGGGATGGCACTCACCATCACAGCACTGGACTTCTCTGTACTCACAGCTGTGGTTCT
 TGTAGTCTTTGTGAAGCACAGAGACACACCCATTGTCAAGGCCAATAATCGGGTTCTCAGCTACACCTG
 CTATTGCACTCATAATCTGTTTTCTCAGTTGCTTGTCTACATTGGGCAGCCCAACACAGCCACCTGCA
 TCTTGACAGCAAACAGCATTGGAACCTTTGTTCACTGTGGCTCTCTCCACAGTGTAGCCAAAGCTATTGT
 AGTGGTTACTGCATTCAAGGTCACCTCTCCAGCTAGAATGGTGAAGTGGTTAATAGTAATAGGGGCCCA
 AATCTCATTATTTCCATCTGCACACTGATCCAATTATATCTGTGGAATATGGCTGGCTACCTCTCCAC
 CTTTTATCGATCAAAATGCTCATGTTGAACATGGTCACATCATCATTATGTGCAACAAGGGTTCTGCAGT
 TGCTTTCCACTGTGACTGGGATACCTTTGCTCCTTAGCACTTGGGAGCTATACCATGGCCTTCTTATCC
 AGGAATCTGCCTGACACATTCAATGAAGCCAAGTGCCTGTCAATCAGCATGCAGGATTCTTCTGTGTTT
 GGATCACTTTCTCCCTGTGACCATAGCACAAGGGGAAGTCAATGGTGGCTATGGAAGTCTTGTCCGT
 CTTGGCTTCCAGTATAACACTCCTTGTGTTTGTATTTGCCCCAAATGCTACATAATTTTGTAAAGGCCA
 GATAAGAACTCATGTCTTGATATCAGGCACAAAATACATTCAAGAAAAGTAGTCATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214037 representing NM_001105060
 Red=Cloning site Green=Tags(s)

MFWIFIFGVLYIPNFVCAFTGDKCYGKIKEYTYQEGDVTIGAFFPLHSYTHDHVSHEIELYYFQDMYLK
 YNFMNYQFLLALVFTIEEINRNPHLLPNTTLGFEHNNIKFSEKNILLGPFLWLAGLSNQLVNYNCGQKRN
 LPAALTGTSWAISAHIGTLLQLYKIPQLTFAYFDSNMNDQSQFKTLYQVAPEDTYLSLALVSLMLHFSWS
 WVGLIVPNDPRGTQILSEFRDVMESNRICLAFVKMIPGTWNSYSDAIWKNMEKIQESSANVIVICGDIVS
 LQGLMRHIAQLLVTWKVWVWVNSQWDIDYYSDFMIESFHGSLIFSHHHEEMVEFVNFVQTVNPTYYPEDA
 YLPKFWVIFFNCSFSEFDCQLENCQPNASDLLPRHIFDPTMSEESYNIYNAVHALAHSLEHMTVQQIQ
 TQPYANGDGMFLPWQILPFLKITLLENHLSRSVIDERKNLYSEYDIFNFWNFTGLGLKMKVGTFS
 SPQGGQLSLSEMIQWPTQFTKIPQSLCSESCRPGFRKAAQEGKAVCCFDCIPCADNEISNETDMDQC
 CPESHYANSEKNHCLQKSVSFLAYEPLGMALTITALDFSVLTAVLVVFKHRDTPIVKANNRVLSTL
 LLTLIICFLSCLLYIGQPNTATCILQQTAFGLFTVALSTVLAKAIVVVTAFKVTSPARMVKWLIVIGAP
 NLIIPICTLIQLIICGIWLATSPPFIDQNAHVEHGHIIMCNKGSAAVAFHCVLGYLCSLALGSYTMFLS
 RNLPTDFNEAKCLFSMQVFFCWITFLPVYHSTKGGKVMVAMEVLSVLASSITLLVLIFAPKCYIILLRP
 DKNSCLDIRHKIHSRKYVI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9100_e03.zip

Restriction Sites: SgfI-MluI

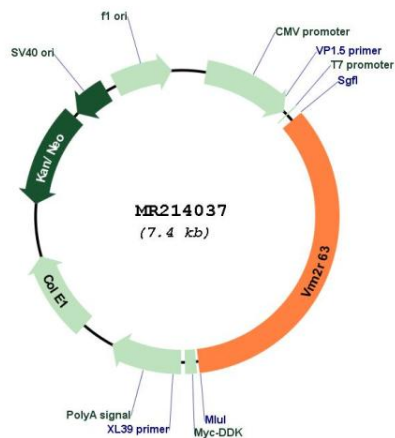
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_001105060
ORF Size:	2577 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_001105060.1, NP_001098530.1</u>
RefSeq Size:	2580 bp
RefSeq ORF:	2580 bp
Locus ID:	435975
Cytogenetics:	7 B3
MW:	97.8 kDa

Product images:


Circular map for MR214037