

Product datasheet for **MG214037**

Vmn2r63 (NM_001105060) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vmn2r63 (NM_001105060) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vmn2r63
Synonyms:	EG435975
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG214037 representing NM_001105060
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCTGGATTTTATCTTTGGAGTTTGTATATCCCAATTTGTATGTGCCTTACTGGTGATAAAAT
 GCTATGGAAAAATCAAGGAATATACTTACCAAGAAGGAGATGTGACAATTGGTGCCTTTTTCTCTTCA
 TAGTTACTACACACATGACCATGTTTCCCATGAAATTGAACTATACTATTTCCAGGATATGTACCTAAAG
 TATAATTTTATGAACTACCAGTTTCTTCTGGCCCTGGTGTACCATTGAGGAGATCAACAGAAATCCTC
 ATCTTCTACCCAACAACAACCTCTGGATTGAGCATCATAACATTAATTTTCTGAAAAGAATATTCTTCT
 TGGTCCCTTTCTTGGCTCGCAGGGTTGAGCAATCAACTAGTTAATTATAACTGTGGCCAGAAAAGAAAT
 TTACCTGCAGCACTCACTGGAACGTCATGGCAATATCTGCCATATTGGGACACTGCTACAACCTTACA
 AAATACCTCAGCTCACTTTTGCATATTTTATTCTAACATGAATGATCAAAGTCAGTTTAAACTCTCTA
 TCAGGTGGCCCCGAGGACACATATCTGTCACTGGCCTTAGTGTCTTTGATGCTTCAATTTAGCTGGTCC
 TGGGTGGGTCTGATTGTCCCAAATGACCCAGAGGGACTCAGATTCTATCAGAGTTTAGAGACGTTATGG
 AAAGTAATAGGATCTGTTTAGCCTTTGTGAAAATGATTCTGGCACCTGGAATTCATATTCTGATGCAAT
 ATGGAAAAATATGGAGAAGATTCAGGAATCATCAGCAAATGTGATTGTTATTTGTGGAGACATTGTTTCT
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 GGGATATTGACTACTATTCTGATTATTTATGATAGAATCCTTTCATGGGAGTCTCATTTTTTACACCA
 TCATGAAGAGATGGTTGAGTTTGTGAATTTTGTCAAACAGTGAATCCCTACACATACCCAGAAGATGCT
 TATCTTCTAAATTTTGGGTTATTTTCTCAATTGCTCTTTTCTGAATTTGATTGCCAATGAGTGAAGAGAG
 ACTGCCAACCCCAATGCATCTTTGGACTTACTTCCAGACACATTTTGGACCAACCATGAGTGAAGAGAG
 CTACAACATATAACAATGCTGTGCATGCTTTGCTCACAGCCTCCATGAGATGACTGTTCAACAAATACAG
 ACACAACCATATGCCAATGGAGACGGAATGGCATTCTTGCCTGGCAGATCCTCCCTTTCTAAAGATCA
 CCTACTTGAAAACCATTAAGCAGTCTGATCTGTAATAGATGAGAGGAAAAAATTATATTGAGAATATGA
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 TCTCCCCAGGGCCAACAGTTGTCTTTATCTGAGGAAATGATACAATGGCCGACACAGTTTACAAAAATTC
 CTCAGTCTTTGTGCACTGAGAGCTGTAGGCTGGATTGAGGAAAGCTGCCAGGAGGGGAAGGCTGTCTG
 CTGCTTTGATTGCATTCTTGTGCAGACAATGAGATTTCCAATGAGACAGATATGGATCAGTGTGTGCAG
 TGTCAGAAAGTCACTATGCAAACCTCAGAGAAGAACCACTGCCTCCAGAAATCTGTGAGCTTTTGGCCT
 ATGAAGAGCCCTTGGGGATGGCACTCACCATCACAGCACTGGACTTCTCTGTACTCACAGCTGTGGTTCT
 TGTAGTCTTTGTGAAGCACAGAGACACACCCATTGTCAAGGCCAATAATCGGGTTCTCAGCTACACCCCTG
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 TCTTGCAGCAAACAGCATTGGAACCTTTGTTCACTGTGGCTCTCTCCACAGTGTAGCCAAAGCTATTGT
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 AATCTCATTATTTCCATCTGCACACTGATCCAATTATATCTGTGGAATATGGCTGGCTACCTCTCCAC
 CTTTTATCGATCAAAATGCTCATGTTGAACATGGTCACATCATCATTATGTGCAACAAGGGTTCTGCAGT
 TGCTTTCCACTGTGACTGGGATACCTTTGCTCCTTAGCACTTGGGAGCTATACCATGGCCTTCTTATCC
 AGGAATCTGCCTGACACATTCAATGAAGCCAAGTGCCTGTCATTGAGCATGCAGGATTTCTTCTGTGTTT
 GGATCACTTTCTCCCTGTGACCATAGCACAAGGGGAAGTCAATGGTGGCTATGGAAGTCTTGTCCGT
 CTTGGCTTCCAGTATAACACTCCTTGTGTTTGTATTTGCCCCAAATGCTACATAATTTTGTAAAGGCCA
 GATAAGAACTCATGTCTTGATATCAGGCACAAAAATACATTCAAGAAAAGTAGTCATT

ACCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG214037 representing NM_001105060
Red=Cloning site Green=Tags(s)

MFWIFIFGVLYIPNFVCAFTGDKCYGKIKEYTYQEGDVTIGAFFPLHSYYTHDHVSHEIELYYFQDMYK
YNFMNYQFLLALVFTIEEINRNPHLLPNTTLGFEHNNIKFSEKNILLGPFLWLAGLSNQLVNYNCGQKRN
LPAALTGTSWAISAHIGTLLQLYKIPQLTFAYFDSNMNDQSQFKTLYQVAPEDTYLSLALVSLMLHFSWS
WVGLIVPNDPRGTQILSEFRDVMESNRICLAFVKMIPGTWNSYSDAIWKNMEKIQESSANVIVICGDIVS
LQGLMRHIAQLLVTKVWVWVLSQWDIDYYSDFMIESFHGSLIFSHHHEEMVEFVNFVQTVNPTYTPEDA
YLPKFWVIFFNCSFSEFDCQLLENCQPNASLDLLPRHIFDPTMSEESYNIYNAVHALAHSLHEMTVQQIQ
TQPYANGDGMAFLPWQILPFLKITLLENHLSRSVIDERKNLYSEYDIFNFWNFPTGLGLKMKVGTFSN
SPQGGQLSLSEEMIQWPTQFTKIPQSLCSESCRPGFRKAAQEGKAVCCFDCIPCADNEISNETDMDQCQVQ
CPESHYANSEKNHCLQKSVSFLAYEPLGMALTITALDFSVLTAVVLVVFVKHRDTPIVKANNRVLSTL
LLTLIICFLSCLLYIGQPNTATCILQQTAFGLFTVALSTVLAKAIVVVTAFAKVTSPARMVKWLIVIGAP
NLIIPICTLIQLIICGIWLATSPPFIDQNAHVEHGHIIMCNKGS AVAFHCVLGYLCSLALGSYTMAFLS
RNLPDTFNEAKCLSFSMQVFFCVWITFLPVYHSTKGGVMVAMEVLSVLASSITLLVLIFAPKCYIILLRP
DKNSCLDIRHKIHSRKVVI

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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:	NM_001105060.1 , NP_001098530.1
RefSeq Size:	2580 bp
RefSeq ORF:	2580 bp
Locus ID:	435975
Cytogenetics:	7 B3