

Product datasheet for **MG214612**

Vmn2r14 (NM_001104625) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vmn2r14 (NM_001104625) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vmn2r14
Synonyms:	EG231591
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG214612 representing NM_001104625
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGAACCTGCGTGGTTTTGGTCTTTCTTTATGCTCCTGAAGTTTTCTCTCATCTGGTGCCATTTGA
 CTGAACCCATTTGCTTTTGGAGGATAAAGAATAATGAAGATAATGATGGAGATTTGAGAAGTGACTGTGG
 TTTTTCTTGCAGCAGTTGAGGGACCTATTGACCACACTTATAATATCTCTGATTTTAGAATACCAGCA
 AGAAGACATGAGTTTTCTAGTACTGTTTTTGTACTGATGAAATCAACAAGAATCCTTATCTTTTAC
 CCAACATGCTTTGATATCCCTGAAGATCCTGGTCAGTGTGAAAACTATTGGGAGAACTGGATAAAAT
 ACATTCAGAAGCAAAATTTACTGTGGATTTTACTGATTATATATGTGCAGGTTATGGAACCTGTTACATA
 GGCCTTATAGGACCATCATGAAAACATCTGAAAACCTCAACAATTTCTGGACACCAAGGGTTTTCT
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 CACACATTTGTCCATGGCATGATCACTTTGATGCTTCATTTTAGATGGACTTGGATAGGACTGGTCATC
 TCAGATGATGACCAAGGTATTCAGTTTCTATCAGACTTGAGAGAAGAAATGCAAAGACATGGAATCTGTT
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 CACAATCTGAACATGAAAGACCATCATTATTTGCAACAAGGCTCAGTCATTGCCTTCCATTTTGTCT
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 TCTACCACAGCACCAGGGGAACAGTCATGGTGGTTGTGGAGTTTTCTCCATCTTGGCTTCTAGTGCAGG
 CTTGCTAGGGTGTATCTTTGTCCAAAGTGTGTTTGTATTTAGTTAGACCAGATTCAAACCTTCTGCAG
 AAATAACAAGGATAAATTGTTTTAC

ACGGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

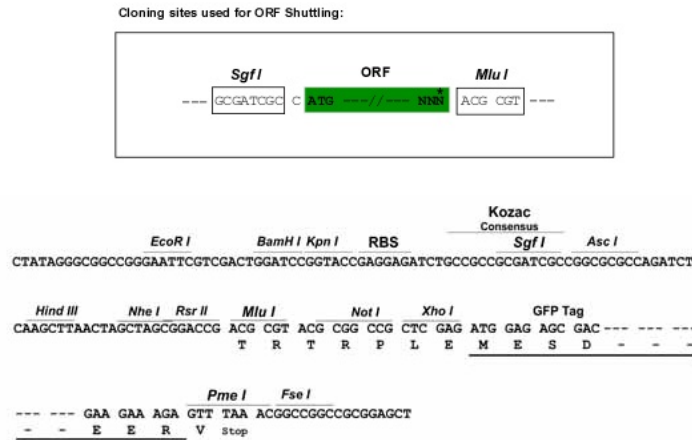
Protein Sequence: >MG214612 representing NM_001104625
Red=Cloning site Green=Tags(s)

MKNLRGFGLSFMLLKFSLIWCHLTEPICFWRIKNNEDNDGDLRSDCGFFLAAVEGPIDHTYNISDFRIPA
RRHEFFLVLFATDEINKNPYLLPNMSLIFPEDPGQCEKLLGELDKIHSEAKFTVDFTDYICAGYGTCYI
GLIGPSWKTSVKLSTNSGTPRVFFGPFNPKLSDHDQFPYVHVQVATKDTLHSHGMITLMLHFRWTWIGLVI
SDDDQGIQFLSDLREEMQRHGICLAFVNMIPEDMQLYMTRAKIYDKQIMESTAKVVIIYGEMNSTLEVSF
RRWEDLGARRIWITTSQWDVITNKNDFSLDFFHGTVTFEYHHSEIAKFKNFMTMNTDKYPVNISESILR
WNYFNCSTSMNSYSKMGHFTFNNTLEWTALHNFDMALSEEGYNLYNAVYAVAHTYHELILLQVESQQTEE
PKGTFTDCQQVSSSTLKSRIFTNPVGELVNMKHRENQCADYDIFIWNFPQGLGLKVKIGSYLPCFPQSQQ
LHISEDLDWATGGSSVPSLCSVTCTAGFRKIHQKQTADCCFDCDQCPENAVSNETADMEQCVRCPPDKY
ANLEKTHCLQRAVSFLAYEDPLGMALGCMALTFSALTVLVVTFVKYKDTPIVKANNRILSNILLISLVF
CFLCPLLFIGHPNKATCILQQTTFGVFFTVAISTVLAKTITVLMFAKLTSPGGKMRGMLASGAPNLVIPI
CTLVQLVLCGIWLVTSPPFIDRDTQSEHGKTIICNKGSVIAFHVFLGYLGSALGSFTVAFLARNLPDR
FNEAKFLTFSMLVFCVSWITFLPVYHSTRGTMVMVVEVFSILASSAGLLGCIFVPKCFVILVRPDSNFLQ
KYKDKLFY

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001104625

ORF Size: 2544 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_001104625.1](#), [NP_001098095.1](#)

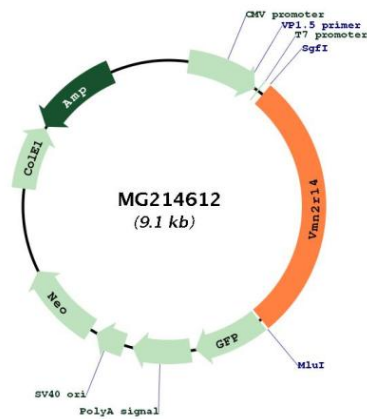
RefSeq Size: 2547 bp

RefSeq ORF: 2547 bp

Locus ID: 231591

Cytogenetics: 5 F

Product images:



Circular map for MG214612