

Product datasheet for **MG213114**

Vmn2r24 (NM_001104639) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vmn2r24 (NM_001104639) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vmn2r24
Synonyms:	EG243628
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG213114 representing NM_001104639
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAATTGCTCATTGCTTTCTCTCCTCTGATTGTTCTCATTTTTTTCCAGGAACAAATTCCTGTTTT
 ACTTAGCTAAATCTGCTTCTTGCTACTATCAAGATGGGGATTTGTTATTGGAGACTCTTTAGCCT
 TAGAATGACTCTTGGTGGACACCTTAAACCTAAAATTCTCTTAAAGATAAAAACGGATACACTGGATGTT
 GTTCATGTGGATCTCACCAGACATTATCAGCACATTTGGCAATTGTTTTGCTATAGAAAAATCAACA
 AGGACCCACATATTTTATCAATATGTCCTGGGCTTCTATCTTCAATGTTAACTTTATTGAGACAAA
 GGCCATGGAAAGTTCTATGGGTTGCTCTCAGGAGAGAGCCCCCAATTCCTAACATACCTGCAGGCCT
 GAGAAGACTGACAAGCTGGTTCAGTAATAGGAGGCATTTCAACATCAATATCCACTCAGATCTCCCGAG
 TTTTAAGTCTCTACAACATTCACAGATCAGCTATGCTCCTTTTGACCAGAGTCTGGGACCAGTGTCCA
 GCTCCAGTCTCCTTACCAGTTTCCAGTGCACAACGTAGCTCTGTATCAGGGAATTATTCAACTGCTGCTA
 TACTTCACCTGGGCTCGGGTGGCTGGTGGTCCAGATGATATGAGGGGAGAATCTTCCCTTAGGGACA
 TCACAGAGGAGATGACAAATCATGGACTTTGTGTAGCATTTCAGAAAAGGTTACAGAATTTTCTGCTAC
 AAAATCAGTAAACCTGAAACATTTTATGGAAAGAGTCACATTGACAGGTGTTATTGTTGCATTTGGTGC
 ACTCATGATTTTCTGATTAGTGTCTATCTCAGCATTACTATGCTCCTTTTGGTAATATATGGATCACAA
 CTTCTGATTGGTATATCACATTACCTATTGAACAAAATCGTGTTTATAGACACTTTGGTGGAGGATTATT
 ATTTTCGTTTACATGGATGAAATTCGGGATTCAGGATTTTCTCAGAAGTGTCAACCTAGAAAAATAC
 CCTCATGATATCTTATCCAGGATGTGTGGTCCATCTTATTTGAATGCCATATTTTGATAAGGATGGAG
 TCAGGGAACCAAGTCAATGTGAGCCAAATGGCAGCCTAAGCACAGACCTCTGCATGCTTGGGATGAA
 TACCTCACCTCAAGCTACAAAGTTCATGCTGTGTATGCCATTGCCAGGCCTCCATGAGGAGCTG
 TCACTCAGAGTGAAGGAGACTCACTTGATAAAAAGTGTACTCCGGCCTCCTTTGCCATGGAAGCTCCATC
 CATTCTTACAAAACAGCCAACCTGGGAGAAGCTCCAATGAGAAGAAGCTTGTGAACAAGGAAGTTTCAGC
 AACCAAGCTTGACATCTTAAATTACCAGTCTCTGCAGAGTGGTACCAAAGCTCAAGTAAAAGTTGGCGAG
 TTTGCTTTTGAATCTCACAGTGTTCAGCATCTTCCCTAAATGACAAGCTCATAACTTGGGGTGAACACC
 ACAATCAGTCTCCTTATCTGCTGTAGTCAAAGTTGCCACTTGGATTTAGGAAAACATCTGTTGAAGG
 GAAACCATTTTGTGTTTGTATTGTGCCCATGTCCAGATGGAGAGATTGCAAAATGAAACAGATATGGAT
 CAATGTATCAAGTGTCTGAAGATCAGTATCCGAATAAACAGAGGAATCAGTGTCTTCTAAAATTATGG
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 AGTTATCTCCTCCTAATTTCTCTAATGTTTTGTTTCTTTTGTCTATTAATATTATTGGCCAACCTAGCA
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 ATGCGACTCTCAAATGTTATAGTCTGCTGTGGTCCATCATTCAAGTGTGCATCTGTGCAGTCTGGCTGG
 GAACATACCCACCTTTCCCTGATGTTGACATGCACTCAGAATTTGGTACATCCTCTGTTGTAATGA
 GGGTCCACTCTTGCCTTCTATTGTGTTCTGGGCTACTTGGGCTTCTGGCCAGTCTCAGCTTGCTTATT
 GCTTTTCTGGTGAGAAGGTTACCTGACAGTTTCAATGAGGCAAAAACAATCACATTCAGCATGCTGGTTT
 TCTGCAGTGTGTGGATTTCTTTCATACCCACTTACCTGAGCTCCACAGGCAAAACCATGGTGGCTGTGGA
 AATTTTTTCCATTCTGGCTTCCAGTGTGGCTTACTGGGATGTATGTTTCTTCCAAATGCTATGTGATT
 CTACTGAGGTCAGCTGACCTTTCGAAAGAAGTCTTTAAA

ACGGTACGGCGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG213114 representing NM_001104639
Red=Cloning site Green=Tags(s)

MKLLIAFSPLIVL IFFQEQISCFYLAKSASSGGYYQDGFVIGGLFSLRMTLGGHLKPKILFKDKTDTLDV
VHVDLTRHYQHILAIVFAIENINKDPHILFNMSLGFYLFNVNFIETKAMESSMGLLSGESPPIPNYTCRP
EKTDKLVAVIGGISTSIQISRVLSLYNIPQISYAPFDQSLGTSVQLQSPYQFPVHNVALYQGIQLLL
YFTWVWVGLVVPDDMRGELFLRDITEEMTNHGLCVAFAEKVTEFSATKSVNLKHFMERVTLTGVI VAFGD
THDFLISVYLSIYYAPFGNIWITTSWYITLPIEQNRVYRHFGGLLFSFHMDEILGFKDFLRVSVQPRKY
PHDIFIQDVWSILFECPYFDKDGVREL SQCEPNGSLSTRPLHAWDMNTSPSSYKVHAAVYIAQALHEEL
SLRVEGDSLDKSVLRPPLPWKLHPFLQNSQLGRSSNEKNVNVKEVSATKLDIFNYQLQSGTKAQVKVGE
FVFESHVQHLSLNDKLITWGEHNNQSPLSACSQSCPLGFRKTSVEGKPFCCFDCAPCPDGEIANETDMD
QCIKCPEDQYPNKQRNQCLPKIMVFLSHEDTLGAVLVSLAISLSAFSAMILGLFVCYRDT SIVRANNRNL
SYLLLISLMFCFFCSLIFIGQPSTVTCVLRQMI FGVVFSVAVSAILAKTFIVVAVFAIKPGSRLQMMV
MRLSNVIVCCGSIQVCICAVWLGTYPFPDVMHSEFGHIILCCNEGSTLAFYCVLGYLGFSLASLLLI
AFLVRRPLPDSFNEAKTITFSMLVFCVWISFIPTYLSSTGKTMVAVEIFSILASSAGLLGCMFLPKCYVI
LLRSADLSRKKFFK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001104639

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:**
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_001104639.1](#), [NP_001098109.1](#)

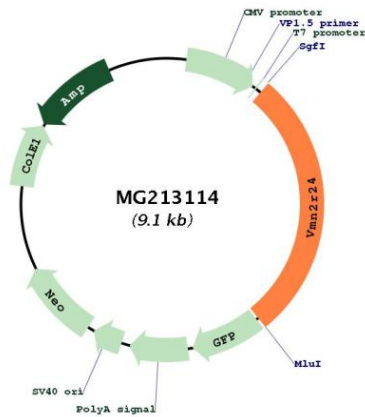
RefSeq Size: 2565 bp

RefSeq ORF: 2565 bp

Locus ID: 243628

Cytogenetics: 6 F2

Product images:



Circular map for MG213114