

Product datasheet for **MG214445**

Vmn2r70 (NM_001105183) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vmn2r70 (NM_001105183) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vmn2r70
Synonyms:	EG620835
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG214445 representing NM_001105183
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTCTCCTGAACTCTGTCTTCTGGTTCTGAAGATTCCTTTATTTTTGTCAATTTGAGTGACCCCA
 GATGCTTTTGGAGAATAAAAGACTGAAAATAATATAGGAGATACAGAACTTATTGTTCTTTTCTAT
 TTCACAAAACATGGCTATGTGAAGAATGATTATTTTCAGTTGGAATCTAGACAAGCAGGTGACACCCAAG
 ACCAGGCATTTGATTTTCTGTATTATCTTGCCTTGGAGGAAAATAAATGATAGCTTCCATATTTACCCA
 ACATTTCTCTGGTAGTTAATATTGAATGTGTCCTACAAAATACGGTGAGAAAACGGTTTGCTCTTGAG
 AAGTGAGAAAATTTCTTAATTAATACTACTGCATAAATGAGAGAAGATAATTAATTGTAATACAGCACCA
 ACATGGCAATATCTACAAAACCTGGACCTTTCCTTTTATGTCCCGAATTCCTGAGGTAATCACTTT
 ACTGCGGTCAATTTTCATCTTCTCTTAGTAATAATGAACAATTCCTCATCTTTACAAAATCTAAAA
 GGACACATCTCTACCACTAGCCATGGTGTCTTAGTGGTTCATTTAGATGGAAGTGGATAGGAGTAATC
 ATTACAAATGATGACCATGGAATTCATTCCTTTCTGAATTGAGAGGAGAAATGCAAAACACATTTGCT
 GTTTATCAGTTGTTATTACTATCAAAAACCTCAGAAGCTCGTGGCCCTTAAAGAGTTACATATGAATTATA
 ACAAATCTTAATGTCATCAGCAAAAGTTGTGATAGTTTATGGATACAAAGACTCTCCCATATCTATGCC
 CTCATTTTCATGGAAATCTCATGGCATTTTAGAAATCTGGGTTAGTGTGCACAATTTGATATGATCACGA
 TTCGAGGAGATTTCTGTCTACTCCTCCACTGGGACTTTCATTTTCTCACACCAGAAACCTGAAATATC
 CGGCTTTGAACAATTTATACAAACAGTACACCTTCAAATTACAGTAGTGAATTTTCTTTGCCAAAAC
 TGGTGGACATATTTAGATGTTCTTTGCCACCTTCTGATTGTAAGAACTAAAGAATTTGCCACCAAAA
 TTCTGTGTTAAATGGTTATTCATGACACCACTGGAATGGCCATGAGTGATACATGCTATAACTTTATA
 TGCTGTGTATGGTGTGGCCCACTCACTCCATGAAATGCTTCTACAACAAGTAGACGCATGGTCAAAGAAT
 GCTGGGAAGGAACTGGAATTTGACCTTGGAAAGATGTTCTCTGTTCTGAAGACCATACAATTTATAAATC
 CTGCTGGAGACTTAGTCAATATGAACCAGAATTTGAGACAGGATGTAGAGTATGACGTTTTCTATATCAT
 GGATTTTCAAAAAGTTTATGGACTTAAAATGAAAATAGGAAGATTTTTCAGGGCAACTTTCAAGTGGTCAA
 CAGCTATATATGTCTAAAGAAATTTAGTGGGCTACAGATATTGATCAGATTCTACCCTCAATATGTA
 GTATGCCTTGCAGGCCAGGACTCAGAAAATCCCCTCAGGAAGAAAAGGACATCTGCTGTTTTGGTTGTA
 CCCCTGTCCAGAAAATGAAATTTCCAACATGACAAACATGGATCAGTGTGTGAAATGTCCAGAAAATCAA
 TATGCCAATGAAGACCATACTCTGCCTCGAAAAGTTGTGGCTATTTTAGATTACAAAGACCCTTTGG
 GAAAGCACTGGCTGGCTTTGCTCTATGCTTCTGTCCCTTACATCTGTTGTATTGGGTATCTTCCGAA
 AAACAGAGATACTCCCATAGTCAAAGCCAAACAACCAATCTCTCAGCTTTGTCTACTCATCTCCCTCATA
 TTTTGTTTTATCTGTTTCTGTTTACATTGGTCACTCCCACTATGGTCACTGTATCCTGCAGCAGACCA
 CATTTGCCATTGTGTTCACTGTGGCTACCTCTACTATCTTGGCCAAGACAGTTATTGTAGTACTGGCTTT
 CAAGATAACTGTCCCGGAAGAAGAATGAGATGGCTGCTTGGATAGGGGCACCAAAAATACATAATTCTC
 ATATGCACAATAATTCAGCTGATTCTTTGTGGAATCTGGCTAGGAACTTCTCCTCATTGTTGATGCTG
 ATGTACACATGGTACATGGCCACATCATATTGTTTGAACAAAGGTTCTGTGATTGCATTCTACTGTGT
 CCTTGGATACATGGGCTCTGTTGCTCTAGCAAGTTTCACTGTAGCTTTCTTGGCCAGGAATCTGCCATGAT
 ACATTCATGAAGCCAAGCTCTTGACATTCAGCATGCTGGTGTCTGTAGTGTCTGGATCACTTTTATCC
 CTGTCTATCACAGCACCAAGGCAAGACTATGGTTGCCGTGGAAGTTTTCTATTTTGGCGTCCAGTGC
 AGGTTGCTTCTTTGCATTTTGGCCCCAAATGCTATATTATTTTATAAAACCAGAAAAATCTTTT
 CAAAAGTTCAGAAAACCATGCTATAGCTGACAAATAAAGT

ACCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG214445 representing NM_001105183
Red=Cloning site Green=Tags(s)

MFSLNSVFWFLKISFIFCHLSDPRCFWRIKDTENNIGDTETYCFFSISTKHGYVKNDYFSWNLDKQVTPK
TRHLIFSYYLAL EEINDSFHILPNISLVNIECVLQKYGEKTGLLLRSEKLI PNYYCINERRYLIVLTAP
TWAISTKLGPF LFMSRIPEVNQLYCGHFHLP LSNNEQFPHLYQISKKDTSLPLAMVSLVHFRWNWIGVI
ITNDDHGIQFLSELRGEMQNNIVCLSVVITIKTQKLVALKELHMNYKQILMSSAKVVIVYGYKDSPIIYA
LISWKSHGIFRIWVSQSQFDMITIRGDFLLYSSTGTFIFSHQKPEISGFEQFIQTVHPSNYSSEFSFAKL
WWTYFRCSLPPSDCKKLNCPKTKVFKWLFMTPLGMAMSDTCYNLYNAVYGVASHLHEMLLQQVDAWSKN
AGKELEFDPWKMF SVLKTIQFINPAGDLVNMNQLRQDVEYDVFYIMDFQKVYGLKMKIGRFSGQLSSGQ
QLYMSKEIIEWATDIDQILPSICSMPCRPLGRKSPQEEKDICCFCNCPENEISNMTNMDQCVCPENQ
YANEDHTLCLEKVVAILDYKDPLGKALAGFALCF SVLTSVVLGIFLKNRDTPIVKANNQSLSFVLLISLI
FCFICSLLYIGHPTMVICILQQTFAIVFTVATSTILAKTVIVVLA FKITVPGRMRWLEIGAPKYIIL
ICTIIQLILCGIWLGTSPPFVDADVHMVHGHIIVCNKGSVIAFYCVLGYMG SVALASFTVAFLARNLPD
TFNEAKLLTFSMLVFCSWITFIPVYHSTKGKTMVAVEVFSILASSAGLLLCIFAPKCYIILLKPKNSF
QKFRKPHAIADNIS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



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:

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](#)

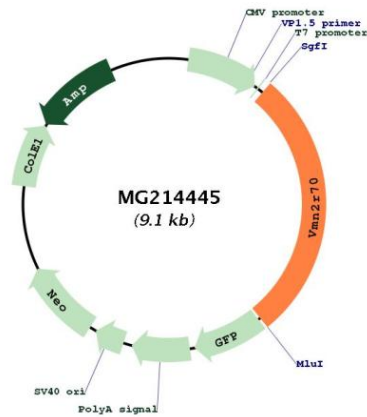
RefSeq Size: 2565 bp

RefSeq ORF: 2565 bp

Locus ID: 670940

Cytogenetics: 7 D3

Product images:



Circular map for MG214445