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Product datasheet for MG215009

Vmn2r42 (NM_009493) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Vmn2r42
Synonyms:	V2r4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG215009 representing NM_009493
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCATTTTCATGGGAGTCTTCTTCCTACTTAATATTACACTTCTCATGGCCAATTTCATTGATCCCA
GGTGCTTTTGGAGAATAAATTTGGATGAAATAACGGATGAATATTTGGGATTATCTTGTGCTTTCATCCT
GGCAGCTGTTCAGACACCCATTGAAAAAGATTATTTCAACACGACTCTTAATTTTCTAAAAACTACTAAA
AACCACAAATATGCTTTGGCATTGGTGTTTGCAATGGATGAAATCAACAGATATCCTGATCTTTTACCAA
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TCCTTCAGCTTTCCTATGGATCTTTCAGTTCCATCTTCAGTGATGATGAACAATATCCCTATCTCTATCA
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CATCTGATGCCTCATTTGATTGGCTAATGGAAGAGAAGCTTGACATGGCCTTTAGTGAGAATAGTCATAA
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CATGGTCGACACTCTCACTTATACGTAGACATGATTGAGTTGGCCACAGGAAGAAGAAAGATGCCATCCT
CTGTGTGCAGTGCAGATTGTAGTCCTGGATTCAGAAGATTATGGAAGGAGGGAATGGCAGCCTGCTGTTT
TGTTTGCAGCCCCTGCCCTGAAAATGAAATTTCTAATGAGACAAATATGGATCAATGCGTGAATTGTCCA
GAATACCAATATGCCAACACAGAACAGAACAAATGTATTCAGAAAGGTGTCACCTTCCTAAGCTATGAAG
ACCCCTTGGGGATGGCACTTGCCTTAATGGCCTTCTGCTTCTCTGCATTCACAGCTGTGGTACTTTGTGT
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CCTTCCTCCCTGTGTACCATAGCACAAAGGGCAAACACATGGTTGCTGTGGAGATCTTCTCTATCTTGGC
ATCCAGTGCAGGGATGCTTGGATGTATTTTTGTACCCAAGATTTATATCATTTTAATGAGACCAGAGAGA
AATTCTACCCAAAAGATCAGAGAAAAATCATATTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215009 representing NM_009493
Red=Cloning site Green=Tags(s)

MFIFMGVFFLLNITLLMANFIDPRCFWRINLDEITDEYLGLSCAFILAAVQTPIEKDYFNTTLNFLKTTK
NHKYALALVFAMDEINRYPDLLPNMSLIIRYSLGHCDGKTVTPTPYLFHRKKQSPIPNYFCNEESMCSFL
LSGPNWDESLSFWKYLDSFLSPRILQLSYGSFSSIFSDDEQYPYLYQMAPKDTSLALAMVSFILYLKWNW
IGLVIPDDDQGNQFLLELKKQSENKEICFAFVKMISVDEVSFPQKTEINYKQIVKSLTNVIIIYGETYNF
IDLIFRMWEPPILQRIWITTKQLNFPTSKTDISHDTFYGSLTFLPHHGEISGFKNFVQTWFHLRNTDLCL
VMPEWKYINSEDSASNCKILKNSSSDASFDWLMEEKLDMAFSENSHNIYNAVHAIAHALHEMNLQQADNQ
AIDNGKGASSHCLKVNSFLRRTYFTNPLGDKVFMKQRVIMQDEYDIVHFANLSQHLGIKMKLGKFSPYLP
HGRHSHLYVDMIELATGRRKMPSSVCSADCSPGFRRLWKEGMAACCFVCSPCPENEISNETNMDQCVNCP
EYQYANTEQNKCIQKGVTFLSYEDPLGMALALMAFCFSAFTAVVLCVFVKHHDTPIVKANNRSLSYLLLM
SLMFCFLCSFFFIGLPNKVICVLQQITFGIVFTVAVSTVLAKTVTVVLAFKVTVPGRRLRYFLVSGTLNY
IIPICSLLQCVLCAIWLAVSPPFVDIDEHSQHGHIIIVCNKGSVTAFYCVLGYLACLALGSFTLAFLAKN
LPDAFNEAKFLTFSMLVFCSVWVTFLPVYHSTKGKHMVAVEIFSILASSAGMLGCIFVPKIYIILMRPER
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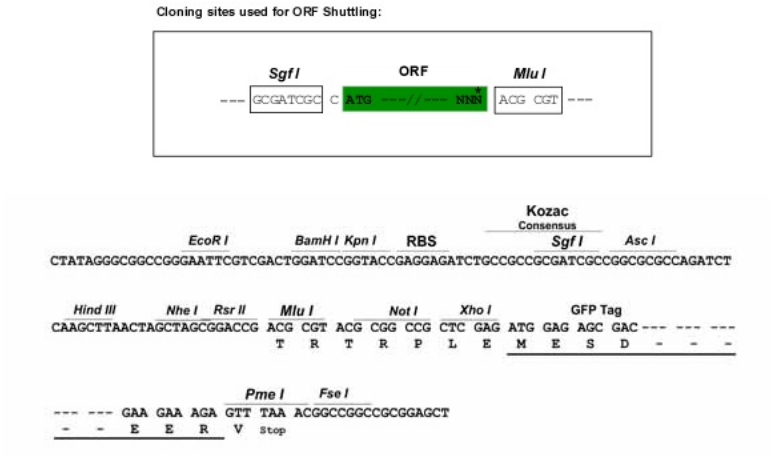
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009493

ORF Size: 2556 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_009493.2, NP_033519.1

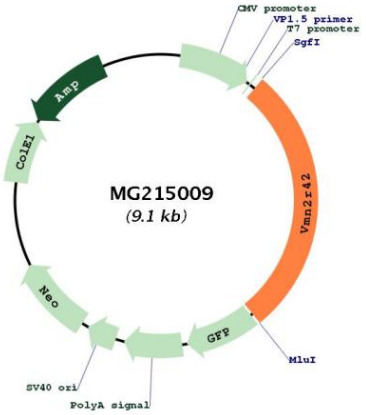
RefSeq Size: 3623 bp

RefSeq ORF: 2559 bp

Locus ID: 22310

Cytogenetics: 7 5.8 cM

Product images:



Circular map for MG215009