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Product datasheet for MR214060

Vmn2r10 (NM_009491) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Vmn2r10
Synonyms:	V2r16; VR16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR214060 representing NM_009491
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAAAACCTGTGTGTTTTCACTCTTTCCTTTTTCCTCCTGGAGTTTTCTCTGATCTTGTGCCATTTGA
CTGAACCCATTTGCTTTTGGAGGATAAATAATAATGAAGATAATGATGGAGATTTGAGAAGTGACTGTGG
TTTTTTCCTTGCAGCAGTTGAGGGACCTACTGACGACTCTTATAATATCTCTGATCTTAGAATACCAGCA
AGAAGATATGAGTTTTTCCTAGTAATGTTTTTTGCAACTGATGAAATCAATAAGAATCCTTATCTTTTAC
CCAACATGTCTTTGATATTCCCCATTAATCATGGTCAGTGTGAAAAAACATTGGGAGATCTGGATAAAAT
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GCCCTTATAGGACCATCATGGAAAACATCAATAAAACTGTCAATTAATTCTGGGACACCAAGGGTTTTCT
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CACACGTTTGTCCCATGCAATGGTCTCCTTGATGTTTCATTTTACATGGATTTGGATAGGAATGGTCATC
TCAGATGATGACCAGAGTATTCAGTTTCTATCAGACATGAGAGAAGAAATGCAAAGACATGGAATCTGTT
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AACTTAGAGAAAACCCACTGCCTCCAAAGAGCTGTGTCATTCCTGGCTTATGAAGATCCATTGGGGATGG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR214060 representing NM_009491
Red=Cloning site Green=Tags(s)

MKNLCVFTLSFFLLEFSLILCHLTEPICFWRINNNEDNDGDLRSDCGFFLAAVEGPTDDSYNISDLRIPA
RRYEFFLVMFFATDEINKNPYLLPNMSLIFPINHGQCEKTLGDLDKIYSEKNYTVEFTDYICVSFGTCFI
ALIGPSWKTSIKLSINSGTPRVFFGPFNPKLSDHDQFPYVHQVATKDTRLSHAMVSLMFHFTWIWIGMVI
SDDDQSIQFLSDMREEMQRHGICLAFVNMIPEDMQLYMTRATIYDKQIMESTAKVVMIYGEMNSTLEVSF
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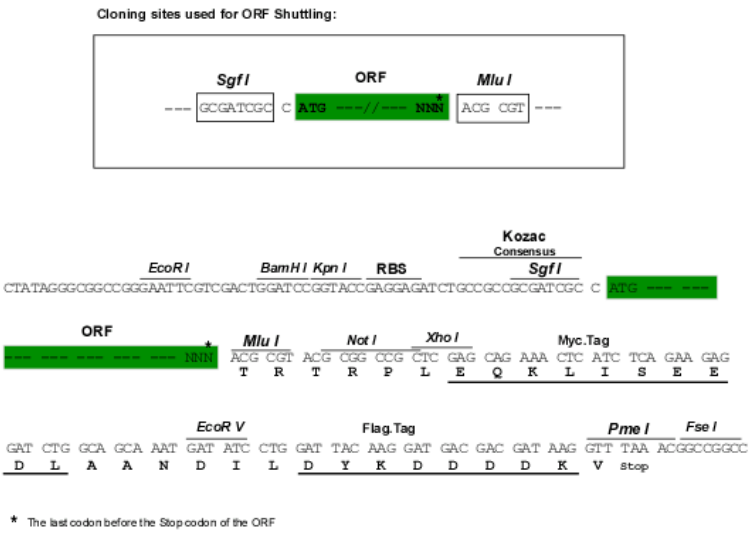
WNYFNCSISKNSNKKDHFTFNNTLEWTTLHKYDMVLSEEGYNLYNAVYAVAHTYHELVLQQVESQQMTVP
KGTFTDCQQVSSMLKSRIFTNPVGELVNMKHRENQCTEYDIFIIWNFPQGLGLKVKIGSYLPCFQQSQQL
HISEDLEWATGGSSVPPSLCSVTCTAGFRKIHQKQTADCCFDCDQCPENAVSNETVDMEQCMRCPDDKYA
NLEKTHCLQRAVSFLAYEDPLGMALGCTALSFSALTVLVLVTFVKYKDTPIVKANNRILSYILLISLVFC
FLCSLLFIGHPNQATCILQQTTFGVFFTVAISTVLAKTITVLMAFKLTTPGRRMRGMLASGAPNIVIPIC
TLIQLVLCGIWLVTSPPFIDRDMQSEHGKTIIICNKGSVIAFHFVLGYLGALALGSFTVAFLARNLPDRF
NEAKFLTFSMLVFCSVWITFLPVYHSTQGTVMVVVEVFSILASSAGLLGCIFLPKCCVLLRIQNSNFLHK
YKHELHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9095_b03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009491

ORF Size: 2541 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_009491.3, NP_033517.3

RefSeq Size: 2544 bp

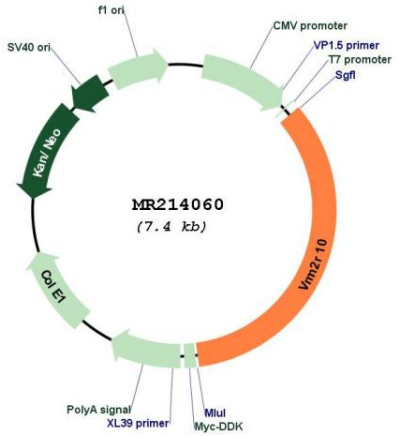
RefSeq ORF: 2544 bp

Locus ID: 22307

Cytogenetics: 5 F

MW: 96.5 kDa

Product images:



Circular map for MR214060