

Product datasheet for **MR22313**

Vmn1r70 (NM_134228) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Vmn1r70
Synonyms:	Vlrd2; Vlrl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR22313 representing NM_134228
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCTCCAGAGACCTAACCTTGGGGATCTTTTCTGTCCAGATTGTGCTAGGAATGCTGGGGAAC
CAGCCTTGCTTTGTTGTTTATCATCGCTGACTTCACTGGGGTCAGGACAAGGCCTATAGACCTAATTGT
TAAACACCTGACCTGGGCAACATCATGTTGTTCTCTGCAAAGGAATCCCTCAGACAATGACTGCATTT
GGTCATACATATTTCTAGACGATATTACATGAACTGTCTTTATTTGCATAGAGTTGCAGGGGAT
TTTCCCTTGGTTGCACATGTCTGTTGAGTGTCTTTCAGGCCATCACTATTAGCCTCAACAATCCAAGTC
AGCACAGTTCAAAGCCAGAGCTCCCAAAATCATTAGTTCTTCTCTGGTCTGTGCTGGTCCCTGTGCCTA
CTTGTAATACCTTCATGATCCTAACAGTGACTGACATGAAAGATAAAAGAAATCTTACTGAATTTAGAC
AATTGGTGTACTGTTCAAGCAGTAAAGAATTTCAAACACATTCACACAGTATATGCAATCATATTGCCTT
CAGTGATGCTATATGTTTGGGACTCATGGTGTGTACAGTGGATCCATGGTGTGTTCTTAGTCAAGCAT
AAGCAGAAGGTCCAGTATATTCACAGATCCTTGGCTACTAAGTCATTTAATGAGACCAAGCCACACAAA
GTATTTGATGCTAGTGAGCAGTTTTGTAGTCTTTATGGAACCTCTTTCATCTTAATGATGTATTTTC
TTCCAGGATGGAACAGATACATGGCTGGTCAGTGTCAATGTGGCCATGAGTGCATGCTTTCCAGCACTC
TGCCCCCTTCTGCTCACCAGAACTATACTAGGTTTTTAAGCTCTGCAGTATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR223313 representing NM_134228

Red=Cloning site Green=Tags(s)

MTSRDLTLGIFFLSQIVLGMLGNSALLCCFIIADFTGVRTRPIDLIVKHLTWANIMVVLCKGIPQTMTAF
GHTYFLDDITCKLVFYLHRVCRGFSLGCTCLLSVFQAITISLNNKSAQFKARAPKIISSSLVLCWSLCL
LVNTFMILTVTDMKDRNLTEFRQLVYCSAVKNFKHIHTVYAILAFSDAICGLMVCTSGSMVLFLVKH
KQKVQYIHRSLATKSFNETKATQSIICMLVSSFVVLVYGTSLIMMYFSFQDGTDLVSVNVAMSACFPAL
CPFLLTRNYTRVFKLCSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

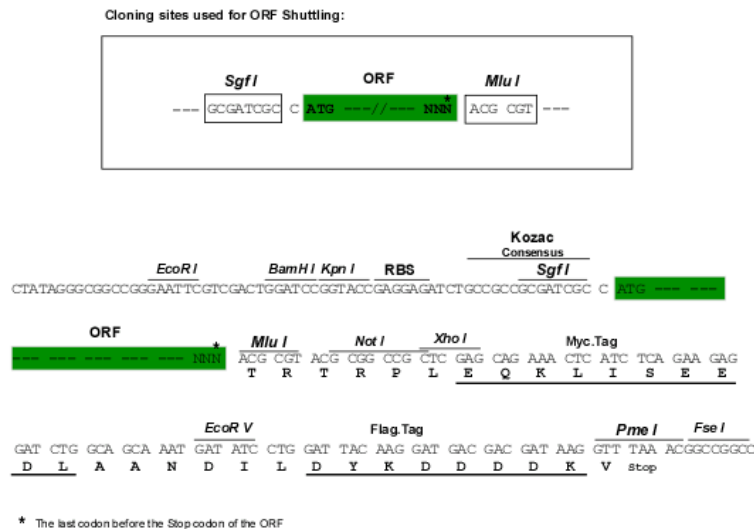
Chromatograms:

https://cdn.origene.com/chromatograms/mm9063_g01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_134228

ORF Size:

894 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_134228.1](#), [NP_598989.1](#)

RefSeq Size: 897 bp

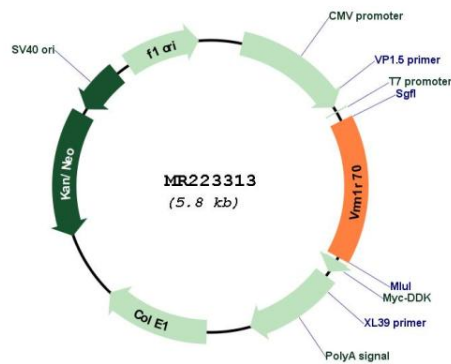
RefSeq ORF: 897 bp

Locus ID: 171262

Cytogenetics: 7 A1

MW: 33.5 kDa

Product images:



Circular map for MR223313