OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC224983

Virma (NM_001081183) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Virma (NM_001081183) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Virma
Synonyms:	4930422M05Rik; Kiaa1429; mKIAA1429
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224983 representing NM_001081183 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCGGTGGACTCGTCTATGGAGCTGCTATTTTTAGATACTTTTAAACATCCGAGCGCTGAGCAAAGTT CTCATATAGATGTGGTTCGTTTTCCGTGTGTGGTTTATATCAATGAAGTCCGAGTTATACCCCCGGGAGT ACGAGCCCATAGTGGCTTACCTGACAACAGAGCATATGGGGAAACATCTCCTCACACATTTCAACTTGAC TTATTCTTCAATAATGTAAGCAAACCAAGTGCTCCAGTTTTTGATAGGTTGGGAAGCCTGGAATATGATG AGAATACGTCTATCATCTTTAGACCAAACTCGAAGGTAAATACTGATGGTCTGGTACTAAGAGGCTGGTA CAACTGTCTGACCCTGGCAATATATGGATCGGTAGATAGAGTGATAAGCCATGACAGAGACTCTCCACCA CCTCCACCTCCACCTCCACCTCCTCCCCAGCCACAGCCGACTTTGAAAAGGAATCTAAAGCATGCTGATG GTGAGAAGGAAGATCAGTTTAATGGAAGTCCTCCAAGACCCCAGCCACGGGGACCAAGAACTCCTCCTGG ACCTCCTCCACCTGATGACGATGAGGACGACCCTATGTCTTTGCCAGTGTCTGGTGACAAAGAAGAGGAT GTTCCCCATCGAGAAGATTACTTTGAGCCCATTTCTCCTGATAGGAATTCTGTCCCGCAGGAAGGTCAGT ATTCCGATGAAGGAGAGGTAGAAGAGGAACCGCAAGAAGAGGGAGAAGATGATGAAGATGATGTGGATGT AGAGGAAGAAGAGGATGAAGATGAGGATGACTGCCATACAGTAGATAGTATCCCTGATGATGAGGAAGAA GATGAAGAGGAAGAAGGTGAAGAGGATGAAGAAGGTGAAGGGGACGATGGCTACGAGCAGATCTCTAGTG ATGAAGATGGAATTGCTGACTTGGAACGTGAAACATTCAAGTATCCAAACTTCGATGTTGAGTATACTCC AGAAGACCTGGCATCTGTCCCTCCTATGACGTATGACCCGTATGACAGGGAGCTGGCACCACTCTTGTAT TTCAGCTGTCCATACAAAACTACTTTTGAAATTGAAATCAGTAGAATGAAGGATCAAGGTCCAGATAAAG AGAATTCAGGGGCAGTAGAAGCCTCGGTGAAGTTAACTGAACTGCTAGACCTGTATCAGGAAGACAGGGG TGCAAAGTGGGTGACGGCTCTAGAAGAAATTCCAAGTCTAATTATAAAAGGATTAAGCTATTTGCAATTG AAAAACACAGAACAAGACTCCCTTGGCCAGTTGGTAGACTGGACAATGCAAGCTTTAAATTTACAAGTAG CCTTTCGACAGCCCATAGCCTTAAATGTCCGACAGCTCAAAGCTGGGACCAAGCTAGTGACCTCATTAGC AGAATGTGGGGCTCCAGGAGTCACAGAATTGCTACAAGCAGGAGTGATCAATGTATTGTTTGATCTCTTA TTTGCTGATCATGTCTCATCTTCCCTTAAGTTAAATGCTTTTAAAGCTTTGGACAGTGTCATTAGCATGA

View online »

CAGAAGGAATGGAGGCTTTTTTAAGAAGCACCCAAAATGAGAAAAGTGGCTATCAAAGACTTCTGGAACT
CATACTTCTGGATCAGACTGTGAGGGTTGTCACTGCTGGCTCAGCTATTCTTCAAAAATGCCATTTCTAT
GAAATCTTGTCAGAGATTAAAAGACTTGGTGACCACATAGCAGAGAAGACTTCAGCTGTTCCTAACCACA
GTGAGCCTGACCAGGACACAGATGCTGTGCTGGAGAGAGCAAATCCCGATTATGAGAATGAAGTAGAAGC
TTCTATGGACATGGATCTTTTGGAGTCCTCAATTATAAGTGAAGGTGAAATAGAAAAGCTTACTAATCTC
TTAGAGGAGGTTTTTCATGTCATGGAAACTGCACCTCATACAATGACCCAACCTCCTGTCAAGTCTTTCC
CCACAATAGCCCGGATTACCGGGCCTCCAGAGCGGGATGACCCGTACCCTGTCCTCTTTAGAGGGCCTGG
GTTTGGTTTTCAGCACTCAATAGTGGCTCACAGCCATCAGCTACTCCAGTTCCAGAGGGTCCAGTGCCCT
CTTCTGGCCTATGTGGGCACTGTACACACATGGTACATAGACACATGCAAGCAAAATACTCATGACATAA
GGTATCTTCACAGCCATCACTTCCTGGAGTTGGTCACCTTGCTTCTGTCGATTCCAATAACAAGTGCCCA
TCAGGGTGTACTGCAAGCCACGAAGGATGTTTTAAAGTTTCTTGCACAGTCACAAAAGGGCCTTCTCTTT
TTTATGTCAGAATATGAAGCGACAAACTTGTTGATCCGAGCTCTGTGCCACCTTTATGATCAAGACGAAG
AGGAAGGCCTTCAGTCTGATGGGGCTGATGATGCCTTTGCCTTGTGGCTGCAGGACTCAACTCAGACTCT
GCAGTGCATCACAGAGCTGTTCAGCCATTTCCAGCGGTGTACAGCCAGTGAAGAAACTGACCATTCTGAT
CTCCTGGGCACCCTCCACAATCTTTACTTGATTACTTTTAACCCTGTGGGAAGATCAGCTGTTGGCCATG
TTTTCAGCCTTGACAAAAACCTTCAAAGTCTCATTACTCTAATGGAGTACTATTCCAAAGAAGCCCTAGG
CGATTCCAAGTCTAAGAAGTCAGTAGCTTATAATTACGCATGCGTACTCACGCTGGTGGTGGCTCAGTCT
TCCAGCGGTGTCCAGATGTTAGAACAGCACGCAGCATCGCTCTTGAAGCTCTGCAAAGCAGATGAAAATA
ATGCGAAATTGCAAGAACTTGGCAAATGGCTTGAACCTCTGAAAAACCTCAGATTTGAAATTAACTGCAT
CCCAAATCTAATTGAATATGTTAAACAGAATATTGATAACTTGATGACTGCAGAAGGAGTTGGCCTTACC
ACTGCCTTACGTGTTCTCTGTAATGTGGCATGTCCACCACCTCCCGTAGAAGGTCAGCAGAAAGACCTGA
AATGGAACCTTGCTGTTATTCAGCTTTTTTCTGCTGAAGGAATGGACACCTTTATTCGGGTTCTGCAAAA
ACTGAACAGTATTTTGACGCAGCCTTGGAGGCTCCATGTGAACATGGGGACTACCCTGCACAGAGTCACT
ACCATTTCAATGGCTCGCTGCACGCTCACTCTGCTTAAAACTATGCTGACAGAGCTCCTGCGAGGCGGAT
CCTTTGAGTTTAAGGACATGCGTGTTCCTTCAGCACTTGTTACTTTACACATGCTCCTGTGCTCTATCCC
TCTCTCAGGTCGTTTGGATAGTGATGAGCAGAAAATTCAGAATGATATCATAGATATCTTACTGACTTTT
ACACAAGGAGTCAATGAGAAGCTCACGATCTCGGAAGAGACTCTGGCCAATAATACTTGGTCTTTAATGT
TAAAGGAAGTTCTCTCTTCCATCTTGAAGGTTCCGGAAGGCTTCTTCTCAGGACTCATACTCCTTTCAGA
GCTGCTGCCTCTTCCCTTGCCCATGCAGACCACGCAGGTTATTGAGCCACATGATATATCAGTGGCACTC
AACACCCGAAAATTGTGGAGCATGCACCTTCATGTTCAAGCAAAGTTGCTCCAAGAAATAGTTCGTTCTT
TCTCTGGCACAACCTGCCAGCCCATTCAACATATGTTACGGCGTATTTGTGTTCAATTGTGTGACCTTGC
CTCTCCAACTGCTCTTCTGATCATGAGAACTGTGTTGGATTTGATTGTAGAAGACTTGCAAAGCACTTCA
GAAGATAAAGAAAAACAGTATACTAGCCAAACCACCAGGTTGCTTGCTCTTCTCGATGCCCTGGCTTCAC
ACAAAGCTTGTAAATTAGCTATTTTGCATCTAATTAATGGAACTATTAAAGGCGATGAAAGATATGCAGA
GATCTTCCAGGATCTTTTAGCTTTGGTGCGCTCTCCTGGGGACAGTGTTACTCGCCAGCAGTGCGTGGAG
TATGTCACATCCATTTTGCAGTCTCTCTGTGACCAGGACATTGCACTCATTTTGCCAAGCCCTTCTGAAG
GTCCTGCCTCTGAGCTTGAACAGCTCTCTAACTCCCTACCAAGTAAAGAGCTGATGACTGCAATCTGCGA
CTGTCTGCTGGCAACTCTAGCCAACTCTGAAAGCAGTTACAACTGTCTGCTGACATGTGTCCGTACAATG
ATGTTTCTTGCAGAGCACGATTATGGATTGTTTCACCTGAAAAGCTCTTTAAGGAAGAACAGTAGTGCTC
TGCATAGTTTGCTGAAGCGAGTGGTCAGCACATTCAGTAAGGACACCGGTGAGCTTGCATCGGCGTCTCT
GGACTTCATGAGACAGATCCTCAATGCTGATGCTATGGGCTGTTGTGGAGACGATAGTGGTCTCATGGAG
GTAGAGGGCGCTCACCCACCCCGGACGATGAGTCTTAACGCTGCAGAGTTAAAACAGCTCCTACAGAGCA
AAGAAGAGAGTCCAGAGAGTCTGTTCCTTGAACTAGAGAAGCTTGTTTTGGAACATTCTAAAGATGATGA
CAGTCTGGAGTCTTTGCTGGATAATGTAATTGGACTGAAGCAGATGCTGGAGTCATCTGGTGAGCCTTTG
CCTCTCAGTGACCAAGATGTAGAGCCAGTACTGTCAGCTCCAGAGTCTCTCCAGAATTTATTTAACAACA
GGACTGCATATGTGTTGGCTGATGTCATGGATGATCAGTTGAAATCTATGTGGTTTACTCCATTTCAGGC
TGAAGAGATCGATACAGACTTGGATTTGGTAAAGGTTGACTTAATTGAGCTTTCAGAAAAGTGCTGCAGT
GATTTTGATTTGCATTCAGAACTAGAGCGCTCGTTTCTGTCAGAACCATCATCTCCAGGAAGATCCAAGA
CTACTAAGGGATTTAAACTCGGGAAGCATAAGCATGAGACATTCATAACTTCAAGTGGAAAATCTGAATA
CATTGAACCTGCCAAACGAGCTCATGTTGTGCCGCCACCTAGAGGCCGGGGCCGGGGAGGATTTGGACAG
GGCATACGGCCCCATGATATTTTCCGTCAGAGAAAGCAGAACACGAGCAGGCCGCCATCTATGCACGTGG
ATGACTTTGTTGCAGCTGAAAGTAAAGAAGTGGTCCCTCAAGATGGAATACCCCCACCAAAACGGCCACT

CAAAGTCTCACAAAAGATTTCCTCTCGTGGTGGATTTTCAGGCAACCGAGGAGGACGGGGTGCTTTTCAT
AGTCAGAACAGGTTTTTCACACCGCCTGCTTCGAAAGGAAACTACAGTCGTCGGGAAGGAACAAGAGGCT
CGAGTTGGAGTGCTCAGAACACTCCTCGAGGAAATTATAATGAAAGCCGAGGGGGCCAGAGCAACTTTAA
CAGGGGTCCTCTTCCACCATTACGGCCGCTTAGTTCTACGGGTTACCGCCCTAGTCCCCGGGATCGAGCT
TCTAGAGGCCGCGGGGGCCTGGGACCGTCCTGGGCTAGTACAAATAGCGGCAGTGGAGGCTCGAGAGGAA
AGTTTGTTAGTGGAGGCAGTGGTAGAGGCCGTCATGTACGGTCCTTTACTCGATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001081183
Insert Size:	5586 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001081183.1, NP_001074652.1
RefSeq Size:	7115 bp
RefSeq ORF:	5586 bp
Locus ID:	66185
Cytogenetics:	4 A1

Gene Summary: Associated component of the WMM complex, a complex that mediates N6-methyladenosine (m6A) methylation of RNAs, a modification that plays a role in the efficiency of mRNA splicing and RNA processing. Acts as a key regulator of m6A methylation by promoting m6A methylation of mRNAs in the 3' UTR near the stop codon: recruits the catalytic core components METTL3 and METTL14, thereby guiding m6A methylation at specific sites. Required for mRNA polyadenylation via its role in selective m6A methylation: m6A methylation of mRNAs in the 3' UTR near the stop codon correlating with alternative polyadenylation (APA).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.