

Product datasheet for SC315224

VIRMA (NM_183009) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VIRMA (NM_183009) Human Untagged Clone
Tag:	Tag Free
Symbol:	VIRMA
Synonyms:	fSAP121; KIAA1429; MSTP054
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315224 representing NM_183009. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGTGGACTCGGCGATGGAGCTGTTATTTTGTAGATACTTTTAAACACCCGAGCGCTGAGCAAAGT
TCTCATATAGATGTGGTTCGTTTTCCATGTGTGGTTTATATCAATGAAGTCCGAGTCATACCCCCAGGA
GTAAGAGCCCATAGCAGTCTGCCAGACAATAGAGCATATGGAGAGACATCTCCCCATACATTTCAATTA
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GCTGATGGGGAGAAAGAAGATCAGTTTAAATGGAAGCCCTCCAAGACCACAGCCAAGGGGACCAAGAAGT
CCTCCAGGACCCCTCCACCTGATGATGATGAAGATGATCCTGTGCCTCTGCCAGTGTCTGGTGACAAG
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AGTGGATTATTTGAACTTCTGTTTGTGATCACGTATCATCTTCTTAAGTTAAATGCTTTTAAAGCT
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TTGGACAGTGTCTTAGTATGACAGAAGGAATGGAAGCTTTTTAAGAGGTAGGCAGAATGAAAAAGT
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ACAACCTCAGGTATCACTTCCATATAACATGCATCTTATAAATGACTGCAGTAACACTTTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
    
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_183009
- Insert Size:** 3444 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_183009.2](#)

RefSeq Size: 3700 bp

RefSeq ORF: 3444 bp

Locus ID: 25962

UniProt ID: [Q69YN4](#)

Cytogenetics: 8q22.1

MW: 128.7 kDa

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 (PubMed:24981863, PubMed:29507755). 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 (PubMed:29507755). 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) (PubMed:29507755).
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.