

Product datasheet for **RG223664**

VIRMA (NM_015496) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	VIRMA
Synonyms:	fSAP121; KIAA1429; MSTP054
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG223664 representing NM_015496
Red=Cloning site Blue=ORF Green=Tags(s)

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CTCATATAGATGTGGTTCGTTTTCCATGTGTGGTTATATCAATGAAGTCCGAGTCATACCCCAAGGAGT
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TAGTGGAGGACAGTGGTAGAGGTCGTATGTACGCTCCTTACACGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG223664 representing NM_015496

Red=Cloning site Green=Tags(s)

MAVDSAMELLFLDTFKHPSAEQSSSIDVVRFCVVYINEVRVIPPGVRAHSSLPDNRAYGETSPHTFQLD
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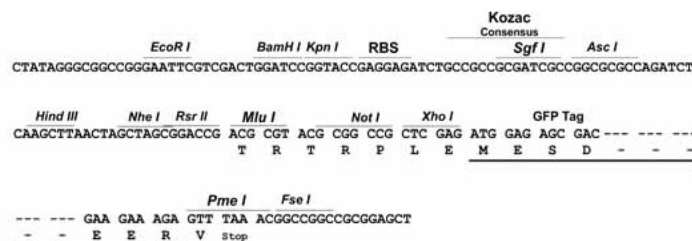
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

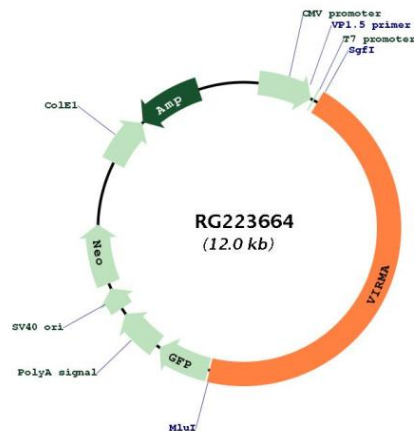


ACCN:	NM_015496
ORF Size:	5436 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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_015496.5
RefSeq Size:	6456 bp
RefSeq ORF:	5439 bp
Locus ID:	25962
UniProt ID:	Q69YN4
Cytogenetics:	8q22.1

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]

Product images:



Circular map for RG223664