

## Product datasheet for **RC203385**

### **TMEM166 (EVA1A) (NM\_032181) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TMEM166 (EVA1A) (NM\_032181) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TMEM166  
**Synonyms:** FAM176A; TMEM166  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC203385 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGCTGCCCTCAGCCACAGCCAGAGCACGTGGAGATGGCTTTGCTCAGCAACATCCTAGCGGCT  
ATTCCTTTGTCTCAGAAAATCCTGAGCGAGCAGCTCTGTACTTTGTTTCTGGCGTGTGCATCGGGCTGGT  
GCTGACCTGGTCTCTGGTGATAAGGATCTCTGCCACACAGACTGCAGGCGCGTCCCGGAAGAAG  
TTCTGCAGGACAGAGAGCAGCAGCGACAGCAGCGAGGATGGCAGTGAGGACACCGTGTCCG  
ATCTCTCCGTGCGGAGACACCGCGCTTCGAGAGGACTTTGAACAAGAATGTGTTACCTCTGCGGAGGA  
GCTGGAGCGGCCAGCGCTGGAGGAGCGGAGCGCATCATCAGGGAGATCTGGATGAATGGCCAGCCT  
GAGGTGCCGGGACCAGGAGCCTGAATCGCTACTAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC203385 protein sequence  
Red=Cloning site Green=Tags(s)

MRLPLSHSPEHVEMALLSNILAAYSFVSENPERAALYFVSGVICGLVLTAAALVIRISCHTDCRRRPGKK  
FLQDRESSDSSDSEDGSEDTVSDLVRRHRRFERTLNKNVFTSAEELERAQRLEERERIIREIWMNGQP  
EVPGTRSLNRY

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6428\\_c04.zip](https://cdn.origene.com/chromatograms/mk6428_c04.zip)



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_032181

ORF Size: 456 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.

RefSeq: [NM\\_032181.3](#)

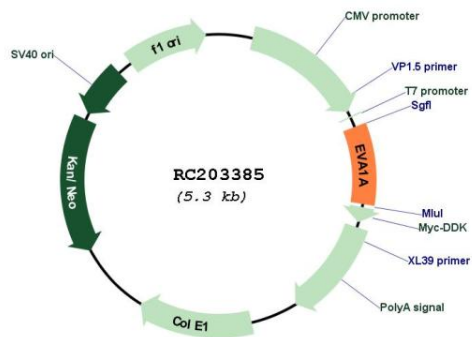
RefSeq Size: 1832 bp

RefSeq ORF: 459 bp

Locus ID: 84141

UniProt ID:	<a href="#">Q9H8M9</a>
Cytogenetics:	2p12
Protein Families:	Transmembrane
MW:	17.5 kDa
Gene Summary:	Acts as a regulator of programmed cell death, mediating both autophagy and apoptosis. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC203385