

Product datasheet for RC225132

TMEM166 (EVA1A) (NM_001135032) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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: >RC225132 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGCTGCCCCCTCAGCCACAGCCCAGAGCACGTGGAGATGGCTTTGCTCAGCAACATCCTAGCGGCCT
ATTCCTTTGTCTCAGAAAATCCTGAGCGAGCAGCTCTGTACTTTGTTTCTGGCGTGTGCATCGGGCTGGT
GCTGACCTGGCTGCTCTGGTGATAAGGATCTCTTGCCACACAGACTGCAGGCGGCGTCCCGGAAGAAG
TTCTGCAGGACAGAGAGAGCAGCAGCGACAGCAGCGAGGATGGCAGTGAGGACACCGTGTCCG
ATCTCTCCGTGCGGAGACACCGCCGCTTCGAGAGGACTTTGAACAAGAATGTGTTACCTCTGCGGAGGA
GCTGGAGCGCGCCAGCGGCTGGAGGAGCGCAGCGCATCATCAGGGAGATCTGGATGAATGGCCAGCCT
GAGGTGCCCGGACCAGGAGCCTGAATCGCTACTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225132 protein sequence
Red=Cloning site Green=Tags(s)

MRLPLSHSPEHVEMALLSNILAAYSFVSENPERAALYFVSGVICGLVLTAAALVIRISCHTDCRRRPGKK
FLQDRESSDSSDSEDGSEDTVSDLVRRHRRFERTLNKNVFTSAEELERAQRLEERERIIREIWMNGQP
EVPGTRSLNRY

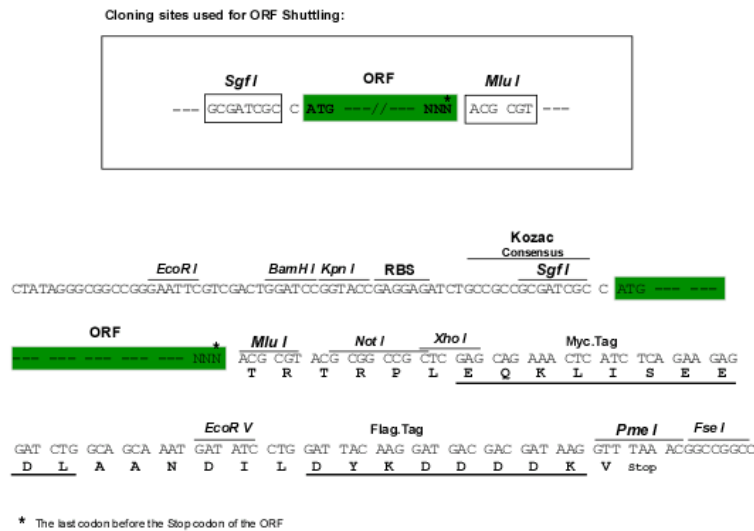
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6428_c04.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001135032

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).

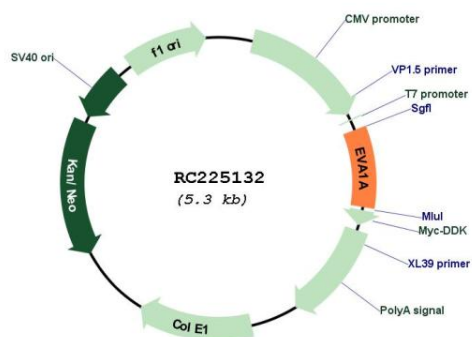
Reconstitution Method:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:	<u>NM_001135032.2</u>
RefSeq Size:	1872 bp
RefSeq ORF:	459 bp
Locus ID:	84141
UniProt ID:	<u>Q9H8M9</u>
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 RC225132