

Product datasheet for RC231146

TMEM116 (NM_001193453) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TMEM116
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231146 representing NM_001193453
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTACTCTGAGTGTTATAGGTTCAAGTTCACCTATTGCCTATGCTGTATCCATAATATACAGAAAT
CTCCAGAGATAAGACCACTTTTTATCTGAGCTTCTGTGACCTGCTCCTGGGACTTTGCTGGCTCACGGA
GACACTTCTCTATGGAGCTTCAGTAGCAAATAAGGACATCATCTGTATAACCTACAAGCAGTTGGACAG
GTGATAGATTATACTTGTGCGAGTTTGTCAAATGGCCTTTGTTTTCTCAAGCCTGATACCTCTGCTATTGA
TGACACCTGTATTCTGTCTGGGAAATACTAGTGAATGTTCCAAAACCTTCAGTCAGAGCCACAAGTGAT
CTTGATGCACTCACCACCATCAGCCATGGCTGAACCTCCACCTTCGCCAACACATCTGTCTGTAGCACA
CTTTATTTTTATGGTATCGCCATTTTCTGGGCAGCTTTGTAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
TTATCCGAGCCAGACATTGTATAAGAAGTTTGTGAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
AGTGATTACATTGTGGACCAACGGGTGCGCTTCTACCCAGTGGCCTTCTTTTGCTGCTGGGGCCAGCT
GTCATTCTAATGATCATAAAGCTGACTAAGCCACAGGACACCAAGCTTCACATGGCCCTTTATGTTCTCC
AGGCTCTAACGGCAACATCTCAGGGTCTACTCAACTGTGGAGTATATGGCTGGACGCAGCAGCAAAATTCCA
CCAACCTAAAGCAGGAGGCTCGGCGTGATGCAGATACCCAGACACCAATTATTATGCTCACAGAAGAGATTC
TATAGCAGGGGCTTAAATTCAGTGAATCCACCCTGACTTTTCTGCCAGTACTTCTACCATTTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC231146 representing NM_001193453
Red=Cloning site Green=Tags(s)

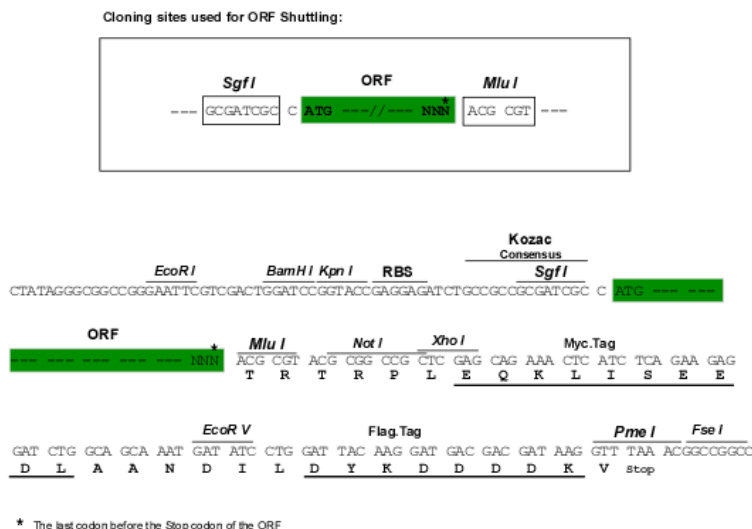
MATLSVIGSSSLIAYAVFHNIQKSPEIRPLFYLSFCDLLGLCWL TETLLYGASVANKDIICYNLQAVGQ
VIDYTRCVQMAFVSSLIPLLLMTPVFLGNTSECFQNFQSQSHKILMHSPPSAMAELPPSANTSVCST
LYFYGIATFLGSFVLSLLTIMVLLIRAQTLKYKFVKSTGFLGSEQWAVTHIVDQRYRFPYVAFCCWGP
VILMIKLTLPQDQTKLHMALYVLQAL TATSQGLLCNGVYGWQHKHFHLQKEARRDADTQTPLLCSQKRF
YSRGLNLESTLTPFASTIYF

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8050_f09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001193453

ORF Size: 906 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_001193453.1](#), [NP_001180382.1](#)

RefSeq ORF: 909 bp

Locus ID: 89894

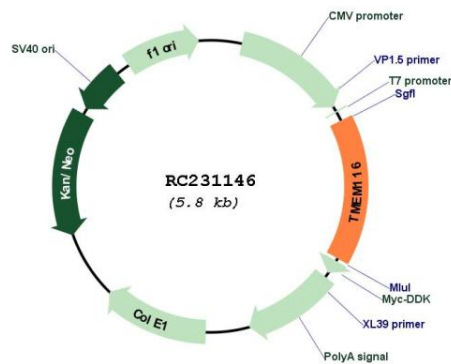
UniProt ID: [Q8NCL8](#)

Cytogenetics: 12q24.12-q24.13

Protein Families: Druggable Genome, Transmembrane

MW: 34.2 kDa

Product images:



Circular map for RC231146