

Product datasheet for **RC230808**

TMEM116 (NM_001193531) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM116 (NM_001193531) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMEM116
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC230808 representing NM_001193531 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACTCTGAGTGTTATAGGTTCAAGTTCACTTATTGCCTATGCTGTATTCCATAATACAGAAAT
CTCCAGAGATAAGACCACTTTTTTATCTGAGCTTCTGTGACCTGCTCCTGGGACTTTGCTGGCTCACGGA
GACACTTCTCTATGGAGCTTCAGTAGCAAATAAGGACATCATCTGCTATAACCTACAAGCAGTTGGACAG
ATATTCTACATTTCCCTCATTTCTACACCGTCAATTACATCTGGTATTTGTACACAGAGCTGAGGATGA
AACACACCCAGAGTGGACAGAGCACATCTCCACTGGTGATAGATTATACTTGTGCGAGTTTGTCAAATGGC
CTTTGTTTTCTCAAGCCTGATACCTCTGCTATTGATGACACCTGTATTCTGTCTGGGAAATACTAGTGAA
TGTTTCCAAAACCTTCAGTCAGAGCCACAAGTGATCTTGATGCACTCACCACCATCAGCCATGGCTGAAC
TTCCACCTTCTGCCAACACATCTGTCTGTAGCACACTTTATTTTTATGGTATCGCCATTTTCTGGGCAG
CTTTGTACTCAGCCTCCTTACCATTATGGTCTTACTTATCCGAGCCAGACATTGTATAAGAAGTTTGTG
AAGTCAACTGGCTTTCTGGGGAGTGAACAGTGGCAGTGATTACATTGTGGACCAACGGGTGCGCTTCT
ACCCAGTGGCCTTCTTTGCTGCTGGGGCCAGCTGTCATTCTAATGATCATAAAGCTGACTAAGCCACA
GGACACCAAGCTTACATGGCCCTTATGTTCTCCAGGCTTAACGGCAACATCTCAGGGTCTACTCAAC
TGTGGAGTATATGGCTGGACGCAGCACAATTCACCAACTAAAGCAGGAGGCTCGCGGTGATGCAGATA
CCAGACACCATTATTATGCTCACAAGAAGAGATTCTATAGCAGGGGCTTAAATTCCTGGAATCCACCTT
GACTTTTCTGCCAGTACTTCTACCATTTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC230808 representing NM_001193531
Red=Cloning site Green=Tags(s)

MATLSVIGSSSLIAYAVFHNIQKSPEIRPLFYLSFCDLLGLCWLTETLLYGASVANKDIICYNLQAVGQ
 IFYISSFLYTVNYIWLYTELRMKHTQSGQSTSPLVIDYTCRVQMAFVSSLIPLLLMTPVFLGNTSE
 CFQNFSSQSHKCILMHSPPSAMAELPPSANTSVCSTLYFYGIAIFLGSFVLSLLTIMVLLIRAQTLYKFFV
 KSTGFLGSEQWAVIHIIVDQRVRFYPVAFFCCWGPVILMIKLTQKPDTKLHMALYVLQAL TATSQGLLN
 CGVYWGWTQHKFHQLKQEARRDADTQTPLLCQKRFYSRGLNSLESTLTFPASTSTIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1478_b03.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001193531

ORF Size: 1011 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_001193531.2](#)

RefSeq ORF: 1014 bp

Locus ID: 89894

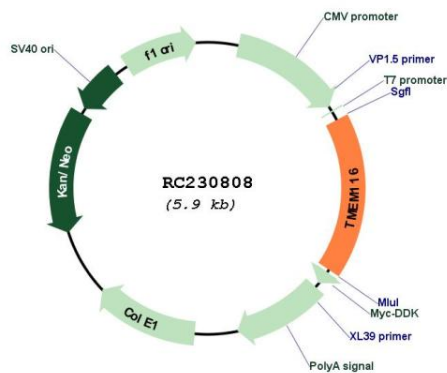
UniProt ID: [Q8NCL8](#)

Cytogenetics: 12q24.12-q24.13

Protein Families: Druggable Genome, Transmembrane

MW: 38.4 kDa

Product images:



Circular map for RC230808