

Product datasheet for RC231139

TMEM178B (NM_001195278) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TMEM178B
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231139 representing NM_001195278
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCCGAAGTTACTGCTCTACACTGGCCTCTCGCTAGCGCTCTGCGCCCTCGGCATGCTGGCCG
TGGCCATCTGCTCGGACCACTGGTACGAGACGGACGCCAGGAAGCACAGGGACAGGTGCAAGGCCTTCAA
CACCCGCCGGGTGACCCCGGCTTCATTTACAACAATAACAACAACCTTGCCGCTCCGGGCGAGCCGCTCG
CGCCTGGACCGCTGGGAGGGCAAACCTCCTCCGGGCCGGAATCGCCGGCAGCTGTTCCGCATGAGCCCCG
CGGACGAGTGCAGCCGGCAGTACAACCTCCACCAACATGGGCCTCTGGAGGAAGTGCCACCGGCAGGGCTT
CGACCCGAGATCGCCGCCCTCATTGGAAAGGAGAAATTGAGCGATGTACGTACATCAAATACCACTAC
TCCTCAGCAACCATCCCCAGGAACCTCACTTCAATATCACGAAGACCATCCGTCAGGATGAGTGGCATG
CCCTACACCTGCGCAGAATGACGGCTGGCTTCATGGGCATGGCGGTGGCCATCATCCTCTTTGGCTGGAT
CATCGGCGTGTGGGCTGCTGCTGGGACCGAGGCCTTATGCAGTACGTGGCAGGGCTGCTCTTCTCATG
GGAGGAACCTTCTGCATCATTTCACTGTGCACCTGTGTGGCCGGGATCACTTTGAGCTGTACGCTACC
CAGCTACCTGTACGGACTCCCTGATGACATCAGCCATGGCTATGGCTGGTCCATGTTCTGTGCATGGGG
GGGCCTGGGCCTCACACTCATCTCGGGATTCTTGTACCTTAGCCCTTCTGTTCAACCTGTCCCGAGG
ACCAACTACCCTAAATCCAGACCCGAGAATGGGACAGTGTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC231139 representing NM_001195278
Red=Cloning site Green=Tags(s)

MAAGRLLLYTGLSLALCALGMLAVAICSDHWYETDARKHRDRCKAFNTRRVDPGFIYNNNNNLPLRASRS
RLDRWEGKLLRARNRQLFAMSPADEC SRQYNSTNMGLWRKCHRQGFDP EIAALIRKGEIERCTYIKYHY
SSATIPRNLTFNITKTIHQDEWHALHLRRMTAGFMGMAVAIILFGWIIGVLGCCWDRGLMQYVAGLLFLM
GGTFCIIISLCTCVAGINFELSRYPRLYGLPDDISHGYGWSMFCAWGGLGLTLISGFFCTLAPSVQPVP
R
TNYPKSRPENGTV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1267_d12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001195278

ORF Size: 882 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_001195278.2

RefSeq ORF: 885 bp

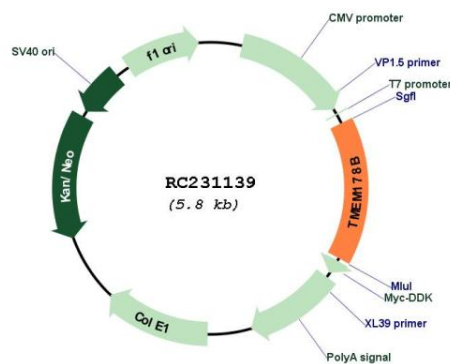
Locus ID: 100507421

UniProt ID: H3BS89

Cytogenetics: 7q34

MW: 33.9 kDa

Product images:



Circular map for RC231139