OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC112407

TMEM135 (NM_022918) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM135 (NM_022918) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM135
Synonyms:	PMP52
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC112407 sequence for NM_022918 edited (data generated by NextGen Sequencing)

ATGGCGGCCCTCAGCAAGTCCATCCCTCATAACTGCTATGAGATCGGCCACACTTGGCAC
CCTTCCTGCCGGGTCTCCTTCCTGCAGATCACCGGGGGCGCCCTGGAGGAGTCCCTGAAG
ATCTATGCTCCTCTGTACTTGATTGCAGCAATTCTCCGGAAACGGAAATTAGACTATTAT
TTACACAAACTACTCCCTGAGATCCTACAATCCGCTTCATTTCTAACTGCTAATGGGGCC
TTGTATATGGCTTTCTTTTGCATTTTAAGGAAGATACTTGGAAAATTCTACTCATGGACT
CCTGGCTTTGGTGCCGCTCTGCCAGCATCTTATGTGGCCATTCTCATTGAAAGAAAAAGC
AGGAGAGGGCTGCTCACAATTTATATGGCCAACTTGGCCACAGAAACACTATTCAGAATG
GGTGTAGCAAGAGGAACCATCACAACATTAAGAAATGGAGAAGTCCTTTTGTTTTGCATC
ACAGCTGCCATGTACATGTTCTTTTTCAGGTGCAAGGATGGCTTGAAAGGATTTACATTT
TCTGCACTTAGGTTCATTGTAGGGAAGGAAGAAATTCCCACACATTCTTTTTCACCAGAG
GCAGCATATGCAAAAGTGGAACAAAAGAGAGAGCAACATGAGGAAAAACCCAGAAGAATG
AATATGATTGGTCTAGTCAGGAAATTTGTGGATTCAATATGCAAACATGGACCAAGGCAT
AGATGTTGCAAACATTATGAAGATAATTGCATCTCTTATTGCATTAAAGGTTTCATCAGA
ATGTTTAGCGTGGGGTACTTGATCCAGTGCTGCCTCCGAATCCCTTCTGCATTTAGGCAT
CTGTTTACACAGCCATCTCGGCTACTTTCTCTCTTCTACAATAAAGAAAACTTCCAGCTT
GGAGCTTTTCTTGGCTCTTTTGTTAGTATATACAAGGGTACTAGTTGCTTCCTGCGCTGG
ATCAGAAACTTAGATGATGAACTACATGCTATTATAGCTGGATTTTTGGCAGGTATATCA
ATGATGTTTTATAAAAGCACAACAATTTCCATGTATTTAGCGTCCAAATTGGTAGAGACA
ATGTATTTCAAAGGCATTGAAGCAGGGAAGGTTCCCTATTTTCCTCATGCAGATACTATC
ATCTATTCCATCTCTACAGCAATTTGCTTCCAGGCAGCTGTCATGGAAGTTCAGACTTTG
AGACCATCTTACTGGAAGTTCCTTTTAAGACTCACCAAGGGCAAATTTGCTGTCATGAAC
CGAAAAGTCCTTGATGTTTTTGGTACTGGTGCATCTAAACACTTTCAGGATTTCATCCCC
AGGTTGGATCCAAGATACACAACTGTAACACCAGAGTTGCCCACAGAGTTTTCCTGA

Clone variation with respect to NM_022918.3
652 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022918 unedited

TGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGAGCGCTCAACATCCG
AGGACTTTGGCCCAGAGTAACCCCGCTCTCGTGACCTTTCCCCTCCATTCCGCACCTCCG
AGTGCTGGCCGGGCGAGAGGCTGGCGGCTGGGCTCTCGCGCCCCTCCCTGCAGGGCTCAG
GCTCTCCCCCTCCTGTCTTCTCCGCGCTGTTCCTCGTCATGGCGGCCCTCAGCAAGTCCA
TCCCTCATAACTGCTATGAGATCGGCCACACTTGGCACCCTTCCTGCCGGGTCTCCTTCC
TGCAGATCACCGGGGGCGCCCTGGAGGAGTCCCTGAAGATCTATGCTCCTCTGTACTTGA
TTGCAGCAATTCTCCGGAAACGGAAATTAGACTATTATTTACACAAACTACTCCCTGAGA
TCCTACAATCCGCTTCATTTCTAACTGCTAATGGGGCCTTGTATATGGCTTTCTTTTGCA
TTCAAGGAAGACACTTGGAAAATTCTACTCATGGACTCCTGGCTTTGGTGCCGCTCTGCC
AGCATCTTATGTGGCCATTCTCATTGAAAGAAAAGCAGGAGAGGGCTGCTCCCAATTTAT
ATGGCCCAACTTGGCCACAGAAACACTATTCAGAAGTGGGTGTAGCAAGAGGAACCCTTC
CCACCTTAAAGAAATGAAAAACTCCTTTTGTTTTGCATCACAGCTGCCATGTACATGTTT
TTTTTTCAAGTGCCAAGATTGGCTTTGAAAGATTTACCCTTTCCGCCCTTTAGGCTCACT
GGCGGGCAAGAACAAATCCCCCCACCTTTTTTTCACCAGAGGCCCCTTACGCACAAAGGG
ACACAAAGAAAGGCCCCTTGCGGAAACCCCCCCACATATGATTCTATCGGCCCCCACCGA
AATTGGGGTCCAATTCCCCACCTGTCCCCGTGCTT

3' Read Nucleotide Sequence:

```
>OriGene 3' read for NM_022918 unedited
ACTATGGACCCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTAATTCCAG
TGAATAAAAAGTTAAGATTAAATTTATTAATCAACTTTGAAGTCTGAAACCGAAATGATC
CTTTAACAGCATTGCCAAATAAACAGGTCAGTTCTACAAAGCTAATCATAATGCCAAATT
TTGACCAAATGATAAAGTGGCTCTGTTACCATAGTACCAGAGTCTGTCTTTTTGTTGGGT
TTCTGTTTGCCATAACAACCAAGGATTGAATTACATTTAAGCAGAAGTATACAAGGCTTG
ATGAAATTGAATATGAGGGATTAAGCATTTTTAAAGTATGGGTTATAATTCCTTTTGCAA
CACAAGTTCTACTGCATAATTTGCACTGGCCTAAAAACTTTTTAGCAACAAAATGTATTT
TAAAAATATCATCATCCCTACATGTCACATTAACTGTAGACCACTTCAGCTCTTTATTAA
CATAGAAAAGTATAACTTTTCCCTGAAAAACTGTAAATAGCGACCATATTTCAATCACAG
CTGTCCTGAACTACTCTCATTATCAGCAGGACTTTATGGTGTCACCTCTTTATTCTAACA
GTAAAAATGGTGACAATGATATTCAAGAAGAAGGTTGGAGAACCTGAATGGAATTAGTGA
CAAATGGACTTTTTAAACAACCACTGGATTTTTATAAGTGTTTTCGGGTGCAAAACATCC
ATTACATAAGTTAAACAGCTGAGAGGACACANACTGCCAACTTTGCCAAGACTACTTTTG
NTCCATAAGATCTTGATCCCCTTTTAATCAACCAATGCATTATAAACTGGACCATGGAGG
AATTTGGTCCTCATAAATGAAAACAAACCTCCTAACCCTCATGGAGGTTTAAAGTGTTTG
CTTTAAAATTTCAAGGGGAAACCTCTGGGGAAGAATAAACATTCACTTCAACTTTTCGGA
AGGGCCCTTTTCCTTTGCCCCTCAANTGCCTTAAAACN
```

Restriction Sites: NotI-NotI

ACCN: NM_022918

Insert Size: 3520 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_022918.2, NP_075069.2

RefSeq Size: 3609 bp

RefSeq ORF: 1377 bp

Locus ID: 65084

UniProt ID: Q86UB9

Cytogenetics:	11q14.2
Protein Families:	Transmembrane
Gene Summary:	Involved in mitochondrial metabolism by regulating the balance between mitochondrial fusion and fission. May act as a regulator of mitochondrial fission that promotes DNM1L-dependent fission through activation of DNM1L. May be involved in peroxisome organization. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.