

Product datasheet for **RN204427**

Tmem135 (NM_001013896) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem135 (NM_001013896) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmem135
Synonyms:	PMP52; RGD1309948
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204427 representing NM_001013896
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCCTCAGCAAGTCCATCCCTCATAACTGCTACGAGATCGGCCACACTTGAACCCCTCCTGCC
 GGGTCTCCTTCTTGCAAATCACTTGGGGCGCCCTGGAAGAGTCCCTCAGGATCTACGCACCCTGTACCT
 GATCGCAGCTGTTCTCCGGAAGCGGAAGCTGGAATATTACTTGTACAAGCTGTTCTCTGAGATCCTCCAG
 TCTGCCTCCTTCTGACTGCTAATGGGGCCTTGTACATTCTTTCTTGTGTTTTAAGGAAGATTCTTG
 GAAAATTCTACTCATGGACTCCTGGCTTGGTGTCTGCTGCCAGCCTCCTATGTGGCCATTCTAATTGA
 AAGGAAAAGCAGGAGAGGGCTGCTCACAATTTATATGGCCAATTGGCCACAGAAACTATTTAGAAATG
 GGTGTTGCAAGAGGAACCATCACACATTAAGAAATGGAGAAGTCCTTTTGTCTGCATCACAGCGGCCA
 TGTACATGTTCTTTTTCAGGTGCAAAGATGGCTTAAAAGGCTTTACGTTTTCTGCGCTTAGGTTTATTGT
 AGGGAAGGAAGAAATCCACACACTCTTACTCACGGAGACAGCATATGCAAAAGTGGAGCAGAAGAGG
 GAGAAGCACAGGGGACGACGAGAGCGATGAGTCTAATTGCTCTGGTTCGAGTCTCGTGGACTCCATAT
 GCAAGCATGGACCACGGCACAGATGCTGCAAGCATTATGAAGACAATGCATCTCCTACTGTATTAAGG
 CTTTCATCAGGATGTTTCAGCGTGGGTTACTTGATCCAGTGTCTCTCCGGATCCCTTCTGCATTTAGGCAT
 CTGTTTACAGAACCATCCCGGCTCCTCTCTCTCTCTACAACAAGAAAAGTCCAGCTGGGTGCTTTTC
 TTGGATCTTTTGTAGTATATACAAGGGCACAAGTTGTTTCTCCGCTGGATCAGGAACCTGGATGATGA
 GCTGCATGCTATTGTGGCTGGGTTTTGGCAGGTGTGTCGATGATGTTTTATAAAGCACAACAATTTCC
 ATGTACCTAGCTTCCAAGCTGGTGGAGACAATGTACTTCAAGGGCATCGAGGCTGGAAAGTTCCCTATT
 TCCCTCAAGCAGATACTATCATCTACTCCATCTCCACAGCGATTGTTTTCCATGCAGCTGTTATGGAAGT
 TCAGAACTTGCACCATGTAAGTCTGTAAGTTCCTTTTAAAGGCTCACCAAGGGCAGGTTTGCACATCATGAAC
 AGAAAAGCCCTGGATGTGTTTGGTACTGGTGCATCTAGAGAATTTACAACCTTCATCCCCAGACTAGACC
 CACGATACACAGTTGTCACACCAGAGCTGCCATAGACTTTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001013896
- Insert Size:** 1377 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.

RefSeq:	<u>NM_001013896.1, NP_001013918.1</u>
RefSeq Size:	3420 bp
RefSeq ORF:	1377 bp
Locus ID:	293098
UniProt ID:	<u>Q5U4F4</u>
Cytogenetics:	1q32
Gene Summary:	Involved in mitochondrial metabolism by regulating the balance between mitochondrial fusion and fission (By similarity). May act as a regulator of mitochondrial fission that promotes DNM1L-dependent fission through activation of DNM1L (By similarity). May be involved in peroxisome organization (PubMed:17522052).[UniProtKB/Swiss-Prot Function]