

Product datasheet for **RC230083**

TMEM135 (NM_001168724) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TMEM135
Synonyms:	PMP52
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RC230083 representing NM_001168724
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGCCCTCAGCAAGTCCATCCCTCATAACTGCTATGAGATCGGCCACACTTGGCACCCCTTCTGCC
 GGGTCTCCTTCTGCAGATCACCGGGGGCGCCCTGGAGGAGTCCCTGAAGATCTATGCTCCTCTGTACTT
 GATTGCAGCAATTCCTCGGAAACGGAATTAGACTATTATTTACACAACTACTCCCTGAGATCCTACAA
 TCCGCTTCATTCTAACTGCTAATGGGGCCTTGATATGGCTTTCTTTGCAATTTAAGGAAGATACTTG
 GAAAATTTACTCATGGACTCCTGGCTTTGGTGCCGCTCTGCCAGCATCTTATGTGGCATTCTCATTGA
 AAGAAAAAGCAGGAGAGGGCTGCTCAAAATTTATATGGCCAACTTGGTCCTTTTGTCTTGCATCACAGCT
 GCCATGTACATGTTCTTTTTCAGGTGCAAGGATGGCTTGAAGGATTTACATTTTCTGCACTTAGGTTCA
 TTGTAGGGAAGGAAGAAATCCACACATTCTTTTACCAGAGGCAGCATATGCAAAAGTGAACAAAA
 GAGAGAGCAACATGAGGAAAAACCGGAAGAATGAATATGATTGGTCTAGTCAGGAAATTTGTGGATTCA
 ATATGCAAAACATGGACCAAGGCATAGATGTTGCAAAACATTATGAAGATAATTGCATCTCTTATTGCATTA
 AAGGTTTCATCAGAATGTTTAGCGTGGGTACTTGATCCAGTGCTGCCTCCGAATCCCTTCTGCATTTAG
 GCATCTGTTTACACAGCCATCTCGGCTACTTCTCTCTTCTACAATAAAGAAAACCTCCAGCTTGGAGCT
 TTTCTTGGCTCTTTGTTAGTATATACAAGGTAAGTGTCTTCTGCGCTGGATCAGAACTTAGATG
 ATGAACATACATGCTATTATAGCTGGATTTTGGCAGGTATATCAATGATGTTTTATAAAGCACAAAT
 TTCCATGTATTTAGCGTCCAAATTTGGTAGAGACAATGTATTTCAAAGGCATTGAAGCAGGGAAGTTCC
 TATTTTCTCATGCAGATACTATCATCTATTCCATCTCTACAGCAATTTGCTTCCAGGCAGCTGTCATGG
 AAGTTCAGACTTTGAGACCATCTTACTGGAAGTTCCTTTAAGACTACCAAGGGCAAATTTGCTGTCAT
 GAACCGAAAAGTCCTTGATGTTTTTGGTACTGGTGCATCTAAACACTTTCAGGATTTTCATCCCCAGGTTG
 GATCCAAGATACAACTGTAACACCAGAGTTGCCACAGAGTTTCC

ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC230083 representing NM_001168724
 Red=Cloning site Green=Tags(s)

MAALSKSIPHCYEIGHTWHPSCRVSFLQITGGALEESLKIYAPLYLIAAILRKRKLDYYLHKLPEILQ
 SASFLTANGALYMAFFCILRKILGKFYSWTPGGAALPASVYAILIERKSRRGLLIYMANLVLLFCITA
 AMYMFRRCKDGLKGFTFSALRFIVGKEEIPTHSFPEAAYAKVEQKREQHEEKPGRMNMIGLVRKFVDS
 ICKHGPRHRCKHYEDNCISYCIKGFIRMFVGYLIQCCLRIPSAFRHLFTQPSRLLSLFYKNENFQLGA
 FLGSFVSIYKGTSCFLRWIRNLDDELHAIAGFLAGISMFFYKSTTISMYLASKLVETMYFKGIEAGKVP
 YFPHADTIIYSISTAICFQAAYMEVQTLRPSYWKFLRLTKGKFAVMNRKVLDFGTGASKHFQDFIPRL
 DPRYTTVTPELPTEFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8059_g06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001168724

ORF Size: 1308 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.

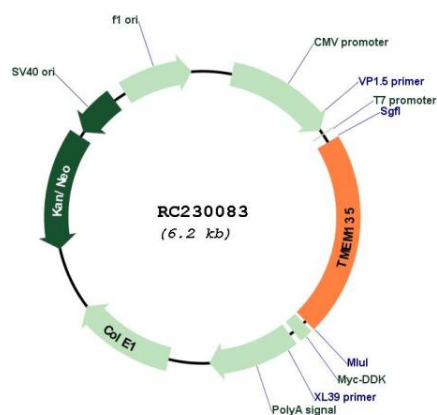
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001168724.2](#)

RefSeq ORF: 1311 bp

Locus ID:	65084
UniProt ID:	Q86UB9
Cytogenetics:	11q14.2
Protein Families:	Transmembrane
MW:	50.4 kDa
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 DNML-dependent fission through activation of DNML. May be involved in peroxisome organization. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC230083