

Product datasheet for RC236583

TMEM9 (NM_001288571) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM9 (NM_001288571) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TMEM9
Synonyms: DERM4; TMEM9A
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236583 representing NM_001288571
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAGCTCTTATCTTTGGTGGCTGTGGTCGGGTGTTTGGCTGGTCCCCAGCTGAAGCCAACAAGGTGA
 GGGAGGTGAGCCTGCAGCACCTGGTCACGACCACAGTGCACGGCCACCCTGTCTACAGGGCTGACTCAGA
 GAGTTCTGAAGATATCCGGTGCAATGCATCTGTCCACCTATAGAAACATCAGTGGGCACATTTACAAC
 CAGAATGTATCCAGAAGGACTGCAACTGCCTGCACGTGGTGGAGCCCATGCCAGTGCCTGGCCATGACG
 TGAGGGCTACTGCCTGTGTGCGAGTGCAGGTACGAGGAGCGCAGCACCACCACCATCAAGGTCATCAT
 TGTCTACTACCTGTCCGTGGTGGTGCCTGTTGCTCTACATGGCCTTCCCTGATGCTGGTGGACCCTCTG
 ATCCGAAAGCCGGATGCATATACTGAGCAACTGCACAAATGAGGAGGAGAATGAGGATGCTCGCTCTATGG
 CAGCAGCTGTGCATCCCTCGGGGACCCGAGCAAACACAGTCTGGAGCGTGTGGAAGGTGCCAGCA
 GCGGTGGAAGCTGCAGGTGCAGGAGCAGCGGAAGACAGTCTTCGATCGGCACAAGATGCTCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236583 representing NM_001288571
 Red=Cloning site Green=Tags(s)

MKLLSLVAVVGLLVPPAEANKVREVSQHLVTTTVHGHVPVYRADSESSEDIRCKCICPPYRNISGHIYN
 QNVSQKDCNCLHVVEPMPVPGHDVEAYCLLCECRYEERSTTTIKVIVIVL SVVGALLLYMAFLMLVDPL
 IRKPDAYTEQLHNEEENEDARSMAAAAASLGGPRANTVLERVEGAQQRWKLQVQEQRKTVFDRHKMLS

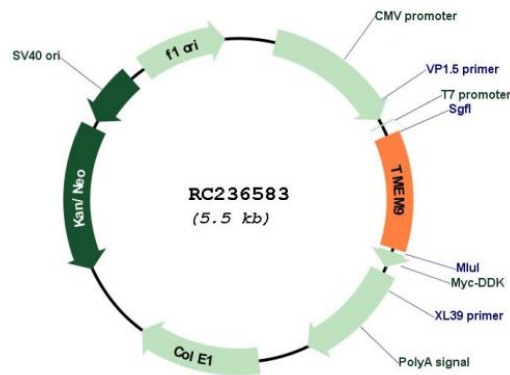
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001288571

ORF Size: 624 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_001288571.1](#), [NP_001275500.1](#)

RefSeq Size: 1683 bp

RefSeq ORF: 627 bp

Locus ID: 252839

UniProt ID: [Q9P0T7](#)

Cytogenetics: 1q32.1

Protein Families: Transmembrane

MW: 23.8 kDa

Gene Summary: May be involved in intracellular transport.[UniProtKB/Swiss-Prot Function]