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Product datasheet for RC239334

TMEM168 (NM_001287497) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TMEM168
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC239334 representing NM_001287497
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGTAAATCACTGCGTTATTGCTTTAGTCATTGTCTCTATTTAGCAATGACAAGACTGGAAGAAGTAA
ATAGAGAAGTGAACATGCATTCTTCAGTGCGGTATCTTGGCTATTTAGCCAGAATCAATTTATTGGTTGC
TATATGCTTAGGTCTATACGTAAGATGGGAAAAAACAGCAAATTCCTTAATTTTGGTAATTTTTATTCTT
GGTCTTTTTGTTCTTGGAATCGCCAGCATACTCTATTACTATTTTTCAATGGAAGCAGCAAGTTTAAGTC
TCTCCAATCTTTGGTTTGGATTCTTGCTTGGCCTCCTATGTTTTCTTGATAATTCATCCTTTAAAAATGA
TGTAAAAGAAGAATCAACCAAATATTTGCTTCTAACATCCATAGTGTTAAGGATATTGTGCTCTCTGGTG
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GATTTGCCATTGCCAGCACAACTATGTTGGTGGAGAAGTCTCTGAGTGTCATTTTGCTTGTTGTAGCTCT
GGCTATGCTGATTATTGATCTGAGAATGAAATCTTTCTTAGCTATTCCAAACTTAGTTATTTTTGCAGTT
TTGTTATTTTTTTCCTCATTGGAAACTCCCAAAAATCCGATTGCTTTTGCGTGTTTTTTTATTTGCCTGA
TAACTGATCCTTTCCTTGACATTTATTTTAGTGGACTTTCAGTAACTGAAAGATGGAAACCCTTTTTGTA
CCGTGGAAGAATTTGCAGAAGACTTTCAGTCGTTTTTGCTGGAATGATTGAGCTTACATTTTTTATTCTT
TCCGCATTCAAACTTAGAGACACTCACCTCTGGTATTTTGTAATACCTGGCTTTTCCATTTTTGGAATTT
TCTGGATGATTTGTCATATTATTTTTCTTTTAACTCTTTGGGGATTCCATACCAAATTAAATGACTGCCA
TAAAGTATATTTTACTCACAGGACAGATTACAATAGCCTTGATAGAATCATGGCATCCAAAGGGATGCGC
CATTTTTGCTTGATTTCAGAGCAGTTGGTGTTCTTTAGTCTTCTTGCAACAGCGATTTTGGGAGCAGTTT
CCTGGCAGCCAACAAATGGAATTTTCTTGAGCATGTTTCTAATCGTTTTGCCATTGGAATCCATGGCTCA
TGGGCTCTTCCATGAATTGGGTAACTGTTTAGGAGGAACATCTGTTGGATATGCTATTGTGATTCCCACC
AACTTCTGCAGTCCTGATGGTCAGCCAACACTGCTTCCCCCAGAACATGTACAGGAGTTAAATTTGAGGT
CTACTGGCATGCTCAATGCTATCCAAAGATTTTTTGCATATCATATGATTGAGACCTATGGATGTGACTA
TTCCACAAGTGGACTGTCATTTGATACTCTGCATTCCAAACTAAAAGCTTTCCTCGAACTTCGGACAGTG
GATGGACCCAGACATGATACGTATATTTTGTATTACAGTGGGCACACCCATGGTACAGGAGAGTGGGCTC
TAGCAGGTGGAGATACACTACGCCTTGACACACTTATAGAATGGTGGAGAGAAAAGAATGGTTCCTTTTG
TTCCCGGCTTATTATCGTATTAGACAGCGAAAATTCAACCCCTTGGGTGAAAGAAGTGAGGAAAATTAAT
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AGCTAGGTGACTTTACAAAAGACTGGGTAGAATATAACTGCAACTCCAGTAATAACATCTGCTGGACTGA
AAAGGGACGCACAGTGAAAGCAGTATATGGTGTGTCAAAACGGTGGAGTGACTACACTCTGCATTTGCCA
ACGGGAAGCGATGTGGCCAAGCACTGGATGTTACACTTTCCTCGTATTACATATCCCCTAGTGCATTTGG
CAAATTGGTTATGCGGTCTGAACCTTTTTTGGATCTGCAAAACTTGTTTTAGGTGCTTGAAAAGATTAAA
AATGAGTTGGTTTCTTCCTACTGTGCTGGACACAGGACAAGGCTTCAAACTTGTCAAATCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239334 representing NM_001287497
Red=Cloning site Green=Tags(s)

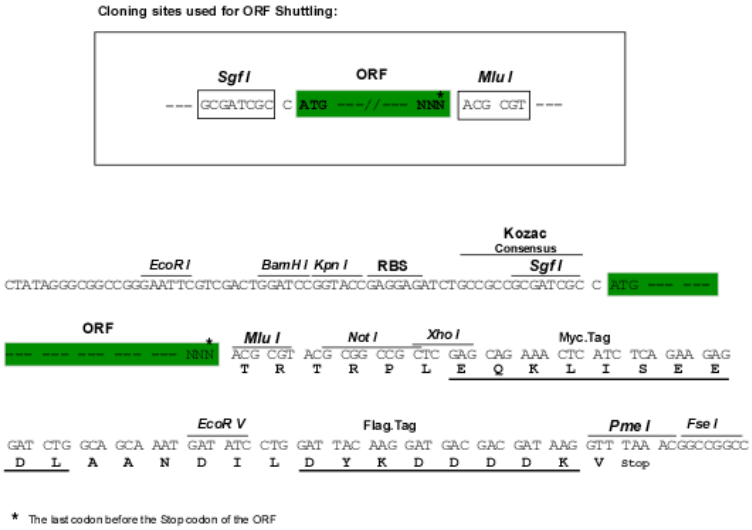
MCKSLRYCFSHCLYLAMTRLEEVNREVNMHSSVRYLGYLARINLLVAICLGLYVRWEKTANSLILVIFIL
GLFVLGIASILYYYFSMEAASLSLSNLWFGFLLGLLCFLDNSSFKNDVKEESTKYLLLTSIVLRILCSLV
ERISGYVRHRPTLLTTVEFLELVGFAIASTTMLVEKSLSVILLVVALAMLIIDLRMKSFLAIPNLVIFAV
LLFFSSLETPKNPIAFACFFICLITDPFLDIYFSGLSVTERWKPFLYRGRICRRLSVVFAGMIELTFFIL
SAFKLRDTHLWYFVIPGFSIFGIFWMICHIIFLLTLWGFHTKLNDCHKVYFTHRTDYNSLDRIMASKGMR
HFCLISEQLVFFSLLATAILGAVSWQPTNGIFLSMFLIVLPLESMAHGLFHELGNCLGGTSVGYAIVIPT
NFCSPDGQPTLLPPEHVQELNLRSTGMLNAIQRFFAYHMIETYGCDYSTSGLSFDTLHSKLKAFLELRTV
DGPRHDTYILYYSGHTHGTGEWALAGGDTLRLDTLIEWWREKNGSFCSRLIIVLDSENSTPWVKEVRKIN
DQYIAVQGAELIKTVDIEEADPPQLGDFTKDWVEYNCNSSNNICWTEKGRTVKAVYGVSKRWSDYTLHLP
TGSDVAKHWMLHFPRITYPLVHLANWLCGLNLFWICKTCFRCLKRLKMSWFLPTVLDTGQGFKLVKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8010_g07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001287497

ORF Size: 2091 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_001287497.2

RefSeq Size: 7408 bp

RefSeq ORF: 2094 bp

Locus ID: 64418

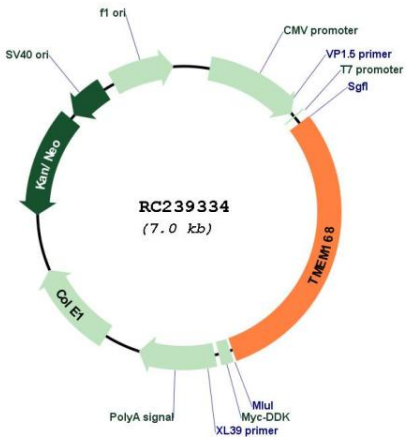
UniProt ID: Q9H0V1

Cytogenetics: 7q31.1

Protein Families: Transmembrane

MW: 79.8 kDa

Product images:



Circular map for RC239334