

Product datasheet for **RC200823**

TMEM54 (NM_033504) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM54 (NM_033504) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TMEM54
Synonyms: BCLP; CAC-1; CAC1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC200823 representing NM_033504
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCTGCGCCTCGGAGGCCTGAGTGTGGGCGACTTCCGGAAGGTGCTGATGAAGACAGGCCTGGTGC
TGGTGGTGTGGGCCATGTGAGCTTCATCACAGCTGCCCTGTTCCATGGCACAGTGTGCGCTACGTGGG
CACCCCTCAAGATGCGGTGGCTCTGCAGTACTGCGTGGTCAACATCCTCTGTCACTTCCGCCATCGT
GTCATCACTTCAGGCATCGCAGCCATCGTGTGTCACGCTACCTCCCTAGCACCCCTCGCCTGGACAG
TGTTTAGCTCGAGCGTGGCCTGTGCTCTCCTTTCTGACCTGTGCCCTCGGCCTTTGGCCTCCATCGC
CATGACCTTTGCCACCCAGGGCAAGGCACTGCTGGCTGCCTGCACTTTTGGGAGCTCTGAACTACTGGCC
CTCGCACCTGACTGTCCCTTCGACCCACACGCATTTATAGCTCCAGCCTGTGCCCTCGGGCATCGCC
TAGTGCTCTGCGTGGCGGAGAACGTGTTTGTGTACGCTGTGCTCAGCTCACCCACCAGCTGCTGGAGCT
GAGGCCCTGGTGGGGAAAAGCAGCCACCACATGATGCGGGAGAACCAGAGCTGGTGGAGGGCCGTGAC
CTGCTGAGCTGCACCAGCTCTGAGCCTCTGACCCTC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC200823 representing NM_033504
Red=Cloning site Green=Tags(s)

MCLRLGGLSVGDFRKLMTGLVLVVLGHVSFITAALFHGTVLRVYVGTQPDAVALQYCVVNILSVTSAIV
 VITSGIAAIVLSRYLPSTPLRWTVFSSSVACALLSLTCALGLLASIAMTFATQ GKALLAACTFGSSELLA
 LAPDCPFDPTRIIYSSSLCLWGIALVLCVAENVFAVRCAQLTHQLLELRPWWGKSSHMMRENPELVEGRD
 LLSCTSSSEPLTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1507_f09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033504

ORF Size: 666 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_033504.4](#)

RefSeq Size: 1063 bp

RefSeq ORF: 669 bp

Locus ID: 113452

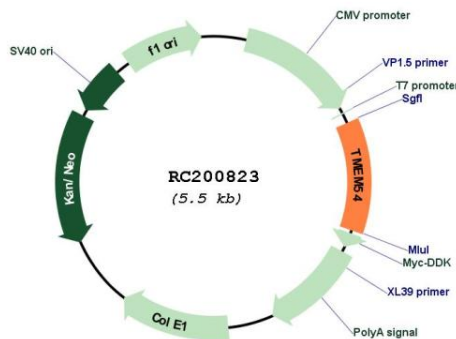
UniProt ID: [Q969K7](#)

Cytogenetics: 1p35.1

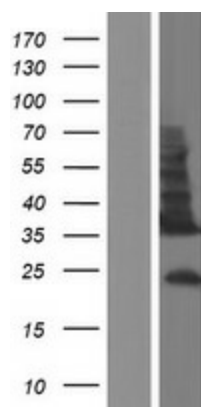
Protein Families: Transmembrane

MW: 23.6 kDa

Product images:



Circular map for RC200823



Western blot validation of overexpression lysate (Cat# [LY409536]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200823 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).