

Product datasheet for **RG208232**

TMEM17 (NM_198276) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: TMEM17 (NM_198276) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: TMEM17
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG208232 representing NM_198276
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCTGCCAGATCCGGTGCGCCAGCGGCTGGGAACTTCAGCCGGGCCGTGTTCAAGTATTCCAATC
 GGACCAGTCCAGAGTCCAATGAGGGTCCGAAAATGAAATGGTCTCCAGTTTGGCACTGCAGATGCACT
 TTATTTAATACCTACTATTTCCCACTGTGGTGGGTGAGCAGCATTATGATGCTTCACATGAAGTATTCA
 ATCTTGCTGACTACTACAAATTCATTGTGATCACTGTTATCATCCTAATAACCTAATTGAAGCCATCC
 GGTTGTATCTGGCTACGTGGTAACCTACAGGAGAAGGTTCTGAGTTGGCTGGCTTTTGGCTTTTGAG
 CCTTCTATTGCAGTTACCTTAATTCTTTCTTGCTCTTAATGAAGCCCTAACAAATCTGCCCTTGAA
 AAAGCGATACATATCATCTTCACTCTCTTCTGCTTTCAAGTTGTTGCAGCATTCTTACCTTAAGGA
 AAATGGTTAATCAGTTGGCAGTTCGTTTCCACCTCCAAGACTTTGACCGCTCTCTGCAAACAGAGGAGA
 CATGAGAAGGATGAGGTCATGTATAGAAGAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208232 representing NM_198276
 Red=Cloning site Green=Tags(s)

MELPDPVRQRLGNFSRAVFSDSNRTSPESNEGPENEMVSSLALQMSLYFNNTYFPLWWVSSIMMLHMKYS
 ILPDYYKFIVITVILITLIEAIRLYLGYVGNLQEKVPELAGFWLLSLLQLPLILFLFNEGLTNLPLE
 KAIHIIIFTLFLAQVVAFLTLRKMVNQLAVRFHLQDFDRLSANRGMRRMRSCIEEI

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_198276

ORF Size: 594 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.

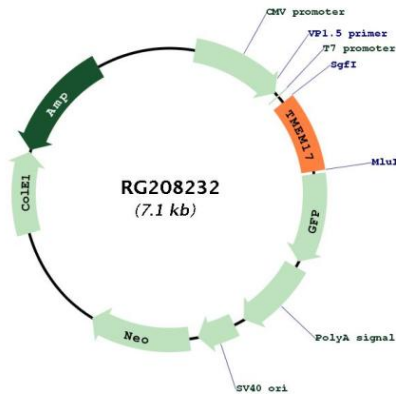
RefSeq: [NM_198276.1](#), [NP_938017.1](#)

RefSeq Size: 1407 bp

RefSeq ORF: 597 bp

Locus ID: 200728
UniProt ID: [Q86X19](#)
Cytogenetics: 2p15
Protein Families: Transmembrane
Gene Summary: Transmembrane component of the tectonic-like complex, a complex localized at the transition zone of primary cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes. Required for ciliogenesis and sonic hedgehog/SHH signaling (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208232