

Product datasheet for **RG233843**

TMEM185B (NM_024121) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM185B (NM_024121) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TMEM185B
Synonyms: FAM11B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233843 representing NM_024121
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACCCAGGGCCTGTTCCAGGACTTCAACCCAGTAAGTTTCTCATCTACACCTGCCTGCTGCTCT
 TCTCGGTGCTGCTGCCCCCGCCTGGACGGCATCATCCAATGGAGCTACTGGCCGTCTTTGCCCCAT
 ATGGCTGTGGAAGCTTCTAGTCGTCGACGGCGCCTCCGTGGCGCGGGCCTTTGGCCCCGAACCCCTCGC
 TACCGCACCGAGGAGAGGCCTGTGTGGAGTTCAAAGCCATGCTGATCGCTGTGGGCATCCACCTGCTGC
 TGCTCATGTTCGAAGTCTGGTCTGCGACAGGGTGGAGAGGGGCACCCACTTCTGGCTGCTGGTCTTCAT
 GCCTCTCTTCTCGTGTCCCCCGTGTCCGTGGCTGCCTGCGTCTGGGGCTTTCGACACGATAGGTCGCTG
 GAGCTGGAGATCCTGTGCTCGGTCAACATCCTGCAGTTTCACTTCATCGCCCTAAAGCTGGACAGGATTA
 TTTACTGGCCGTGGCTGGTGGTGTGTTGTCGCCCTGTGGATCCTCATGTCGTTCTTTGCCTGGTCTGCT
 CTATTACATCGTCTGGTCCCTCCTGTTCCCTGCGGTCCCTGGATGTGGTTGCCGAGCAGCGGAGAACACAC
 GTGACCATGGCTATCAGTTGGATAACGATTGTCGTCGCTCTGCTCACTTTTGAGGTCCTGCTGGTTCACA
 GATTGGATGGCCACAATACATTCTCCTACGTCTCCATATTTGCCCCCTTTGGCTTTCCTACTAAGTTT
 AATGGCCACAACATTTAGGCGAAAGGGGGCAATCATTGGTGGTTGGCATTCCGAGAGACTTCTGTCAG
 TTTCTGCTTGAATTTTCCATTTTAAAGAGAATATGGGAACATTCATATGATCTCCATCACAAGATA
 GTGAAGATGCTGAAGAAACATCAGTCCAGAAAGCTCCGAAAATTGCTCCAATATTTGGAAAAGAGGCCAG
 AGTAGTTATAACCCAGAGCCCTGGGAAATACGTTCCCCCCCCTCCAAGTTAAATATTGATATGCCAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233843 representing NM_024121
Red=Cloning site Green=Tags(s)

MNPRGLFQDFNPSKFLIYTCLLLFSVLLPLRLDGIQWSYWAVFAPIWLKLLVVAGASVGAGVWARNPR
 YRTEGEACVEFKAMLIAVGIHLLLMFEVLVCDRVERGTHFWLLVFMPLFFVSPVSAACVWGRHDSL
 ELEILCSVNILQFIFIALKLDRIIHWPLVVFVPLWILMSFLCLVLYIIVWSLLFLRSLDVAEQRRTH
 VTMAISWITIVVPLLTFEVLVHRLDGHNTFSYVSIFVPLWLSLLTLMATTFRRKGGNHWWFGIRRDFCQ
 FLLEIFPFLREYGNISYDLHHEDSEDAEETSVPKAPKIAPIFGKKARVVITQSPGKYVPPPKLNIDMPD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024121

ORF Size: 1050 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_024121.3](#)

RefSeq Size: 5938 bp

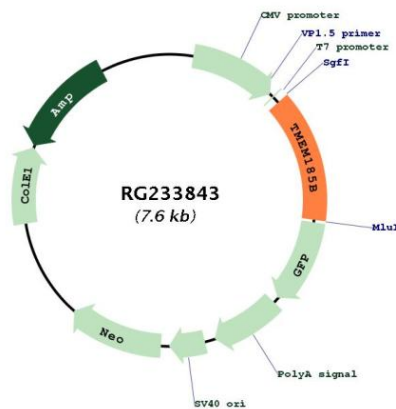
RefSeq ORF: 1053 bp

Locus ID: 79134

UniProt ID: [Q9H7F4](#)

Cytogenetics: 2q14.2

Product images:



Circular map for RG233843