

Product datasheet for **RG200002**

TMEM50B (NM_006134) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM50B (NM_006134) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TMEM50B
Synonyms: C21orf4; HCVP7TP3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200002 representing NM_006134
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGGCTTCCTAGATAATTTTCGTTGGCCAGAATGTGAATGTATTGACTGGAGTGAGAGAAGAAATG
CTGTGGCATCTGTTGTCGCAGGTATATTGTTTTTACAGGCTGGTGGATAATGATTGATGCAGCTGTGGT
GTATCCTAAGCCAGAACAGTTGAACCATGCCTTTCACACATGTGGTGTATTTCCACATTGGCTTCTTC
ATGATAAATGCTGTATCCAATGCTCAGGTGAGAGGTGATAGCTATGAAAGCGGCTGTTAGGAAGAACAG
GTGCTCGAGTTTGGCTTTTCATTGGTTTCATGTTGATGTTTGGGTCATTATTGCTTCCATGTGGATTCT
TTTTGGTGCATATGTTACCCAAAATACTGATGTTTATCCGGGACTAGCTGTGTTTTTCAAATGCACTT
ATATTTTTTAGCACTCTGATCTACAAATTTGGAAGAACCGAAGAGCTATGGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200002 representing NM_006134
Red=Cloning site Green=Tags(s)

MAGFLDNFRWPECECIDWSERRNAVSVVAGILFFTGWWIMIDAAVVYPKPEQLNHAFHTCGVFSTLAFF
MINAVSNAQVRGDSYESGCLGRTGARVWLFIFGMLMFGSLIASMWILFGAYVTQNTDVPGLAVFFQNAL
IFFSTLIYKFGRTEELWT

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_006134

ORF Size: 474 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_006134.7](#)

RefSeq Size: 3084 bp

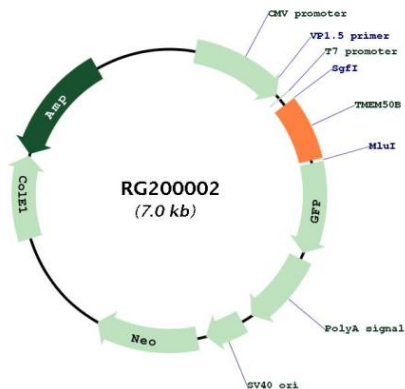
RefSeq ORF: 477 bp

Locus ID: 757

UniProt ID: [P56557](#)

Cytogenetics: 21q22.11
 Protein Families: Druggable Genome, Transmembrane

Product images:



Circular map for RG200002