

Product datasheet for **MG201178**

Tmem50a (NM_027935) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem50a (NM_027935) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tmem50a
Synonyms: 3200001F09Rik; CAM; Smp1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201178 representing NM_027935
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGGATTTCTAGAAGGCTCGAGGTGCTCTGAGTGCATGGACTGGGGGAGAAGCGGAACACGATCG
 CCTCCATCGTGTGGCCTTCTATTTTTACGGGATGGTGGATCATAGACGGGCTGTCATGTACCC
 CAGGATGGATCAATTCACCATTACACCATACCTGTGGCGTCATAGCAACCATAGCCTTCTCATGATT
 AACGCAGTATCGAACGGCAAGTGCAGGCGACAGCTACAGCGAAGGCTGTCTGGCCAGACAGGAGCTC
 GCATCTGGCTTTCATCGCTTCATGTTGGCTTTCGGATCCCTGATTGCCTCCATGTGGATTCTCTTTGG
 AGGTTATGTCGCTAAGGAAAAGGACGTAGTGTATCCTGGGATTGCTGTATTTTTCCAGAATGCCTTCATC
 TTTTTGGAGGGCTGTTTTCAAGTTTGGCCGTACGGAGGACTTGTGGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201178 representing NM_027935
 Red=Cloning site Green=Tags(s)

MSGFLEGSRCSECMDWGEKRNTIASIAAGVLFFTGWWIIIDAAMYPYPRMDQFNHSHYHTCGVIATIAFLMI
 NAVSNGQVRGDSYSEGCLGQTGARILWLFIGFMLAFGSLIASMWILFGGYVAKEKDVVYPGIAVFFQNAFI
 FFGGLVFKFGRTEDLWQ

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_027935

ORF Size: 471 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_027935.2](#), [NP_082211.1](#)

RefSeq Size: 1117 bp

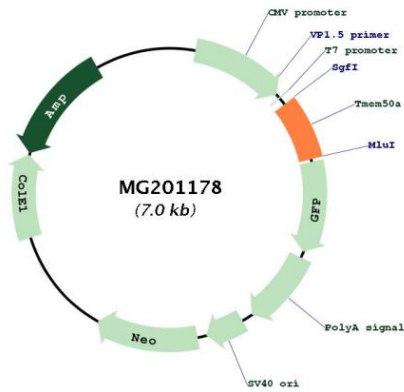
RefSeq ORF: 474 bp

Locus ID: 71817

UniProt ID: [Q9CXL1](#)

Cytogenetics: 4 67.14 cM

Product images:



Circular map for MG201178