

Product datasheet for **MG222460**

Tmem201 (NM_177672) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem201 (NM_177672) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tmem201
Synonyms: AV028368; D4Ertd429e; Net5; Samp1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG222460 representing NM_177672
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGGAGTGAGCGCGCTGCTGGCTAGCTGCCACCACCAGCCGGCTGGCGGGCGGCTCGGGGTACGG
 CGTGCGCTGCCGCCGGCTGGTGTCTACCGGATTGCGCGGAGGGTGAAGCCAACACACAATGGTCAA
 CTGCTGGTTCTGCAACCACGATACTGGTGCCTATGGGAATCGCAACTGTTGGGACTGTCCCACTGT
 GAGCAGTACAATGGCTTTCAAGAGAATGGAGACTACAACAAGCCAATCCCAGCACAGTACATGGAACACC
 TGAACCACGTGGTGAGCAGCGTGCCAGTCCCCGGGACCCTGCACAGCCACAGCAGTGGGTGAGCAGCCA
 GGTCTGCTGTGCCGAAGGTGCAGCCACCACCAGACCACCAAGATCAAGCAGCTGGCTGCTTTCACACCA
 CGGGAGGAGGGCCGCTACGATGAGGAGATTGAGGTGTACCGCCACCACCTGGAGCAGATGTACAAGCTGT
 GCCGCCGTGCCAGGCGGCCGTCGAGTACTACATCAAACACCAGAACCAGCCAGCTGCGTGCCTGCTTCT
 CAGCCACCAGTCCCGCGCTCGGGAGGCTGACCAGGCCCATGGGCAGAGTTTCAAGTTCCTCGGCAGTGAAG
 GCCCATTCAGGTATCCTGCTCCGTGCCCTGGCCTTCTGGCCTGTGCCTTCTGTTGTTCACTACAC
 TGTATGGGCCAGCAACCCTTACCCCGGGGGCTGCCTGGCCCCAGCCCTACCTCCTGGGGGCAACAG
 TTCTGGCGCTCGGACAACCACTTCTCAGGCGGAGGGCTGGCAGCAGCTGCTGGTCTATTGCCTGAG
 CATGCCACAGAGAAGCTACATGAGGCCTGGCCTTTGGGCAGGCCACCAGACCAGATTGTGGCAGTGG
 GCCTGCTCACCTGCCTGCTGGCCATGCTGCTGGCTGGCCGATACAGGCTCCGGCGGATCGATGCCTTCTC
 CACCTGCCTCTGGGCCCTGCTGCTGGGGCTGCACCTGGCAGAGCATTATCTACAGGCTGCCTCACCCGGC
 TGGCTAGACACTCAAGTTCAGTACCACGTCCCTGTGCTGCCTGGTGGGCTTACCAGCAGCTGTGGCTA
 CGAGGAAATCGACAGGCCACGGAGGTTCCGGCCCCGAAGGTCAGAGAAGCAGCAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



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Protein Sequence: >MG222460 representing NM_177672
 Red=Cloning site Green=Tags(s)

```
MEGVSALLASCPTAGLAGGLGVTACAAAGVVLRYIARRVKPTHTMVCNWFVFNHDTLVPYGNRNCWDCPHC
EQYNGFQENGDNKPIPAQYMEHLNHVSSVSPRPDPAQPQQVSSQVLLCRRCSHHQTTKIKQLAAFTP
REEGRYDEEIEVYRHHLEQMYKLCRCPQAAVEYYIKHQNRQLRALLSHQFRRREADQAHGQSFSSSAVK
APFQVILLRALAFLACAFLLFTTLYGPSEPFTPGAALPPALPPGGNSSAASDNTTSQAEGWQQLGLLPE
HATEKLHEAWAFQSHQTSIVAVGLLTCLLAMLLAGRIRLRIDAFSTCLWALLLGLHLAEHYLQAASPG
WLDTLKFSTTSLCCLVGF TAAVATRKSTGPRFRPRRSEKQQ
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177672

ORF Size: 1176 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_177672.4](#)

RefSeq Size: 3612 bp

RefSeq ORF: 1179 bp

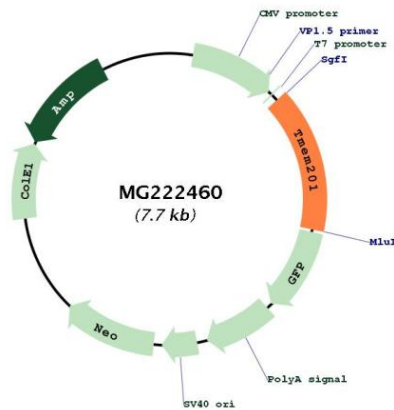
Locus ID: 230917

UniProt ID: [A2A8U2](#)

Cytogenetics: 4 80.15 cM

Gene Summary: Involved in nuclear movement during fibroblast polarization and migration (PubMed:22349700). May recruit Ran GTPase to the nuclear periphery (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG222460