

## Product datasheet for **MG214981**

### **Tmem132c (NM\_175432) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem132c (NM\_175432) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Tmem132c  
**Synonyms:** 2810482M11Rik; 3230401P16; 4632425D07Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG214981 representing NM\_175432  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGGCGTGACAGCGGCCACGATGCGCTCCGAGGGCGCGGCCCGAGGCGGGCGGCCGGTACGGG  
CGCTGAGCCTGGTCTAGCCACGCTACTGGCCAAGTGACCGAAAGCCGAGGGTTCATGGATAATATACA  
GAGATTCTTTCATTGCCGCGTACCTGCCCGTGAGCTTCCACGTCTCAGAGCCGAGACTGCATTCTTC  
CTAAAGGAGGCCAACCCGACCCGCTGCGGAATGCCAGCCTGCAGTCCAGGGTGGAGTCTTCTTCATCT  
ACAAGGCCAGCAGCCCCGGTATTAACGTGAGCTATGGCCTTACTCTGCAGAAAAGGTATCCCTCT  
GGACTTGATGTTGAACCCAACTTTTTAGGCCAACAGTAAGTTTCCCTTTGACTGGAGGCTGAAGGCC  
TACATCCTTCAAGAGAAAAGTCTACCTGAGCCATCCCAAAGTACAGGTGCTCTCCACATCGTGGCCGAG  
ACTGGGATGACCACAGGGACGAGAACTGCCCTGCCTGCGGGTCTTTCGCTTCAGAGACAGCCGGGAGGT  
TCGAGGCAGCTGTCGTCTGGTGGGCCCTGGGACTGTGCGTGGCCAGCTGGAGATGCTGCCTGGCTGG  
TTCAGTCCCCAGCGTTGTATCTGGGCGCAGGAGGCCAGCAGAGCGGCCAGAGGGGAGTCCGGTGGAA  
TGATTTATGCTGTACAGCCAGGGGACGAGCGTGGTACTGCACCTGGAGGTGACACCAGGAAGGACAATGC  
TATTCGTCAGGAAAGGATGGACAGGAGGCGAGGACATCCACCTACAGAAGATTGGCACCATTAGCCTT  
TACCGGCCCCAGGACAGCACCCAGCTCAGCGAAGTGGCCTGGATGGCAATGTGGTTCATCTGGCTGCCCT  
CCAGCCCGTCAAGCAGGGAGACATAGTACCGCATCTGTACCATCGCCAATAACTCTACTGTGGACCA  
TTTCATCCTAAGAGCCAAGGTGAAGAAGGGGTGAACATCCTGACCGTGCAGACCAGCGAGCCTCGGCAG  
TGGGATGTGAGGCAAGAGGTGGGCAATGGAGGGAAGCACACCACCACCTCGGTGGCTGCCAGCGCTGG  
GCCCTGGGGCACGAAATAGGAGCAGCAATTTATTCAGCGAGGTGCATGCAGATGAATTTTAAATCGCCAG  
CTTCAGCAGCCTCTCGGGACACAGCCTATCACATGGCAGGTGGAGTACCCGAGGAAGGGGGCCACGGAC  
ATTGCTGTGTCGGAGATTTTCATCAGCCAGAAGGACCTAGTTGCCATCGTCCCCCTTGTATGGACTG  
AACTCCTGAACACAGCCATCCTCACAGGAAGACGGTGGCCATGCCTGTCAGGGTGGTGTGGTGAAGA  
GAATAGCACCTGAGGGACATCTCGGAGTTGGTGGAGTGAAGGCCACAGACGAGATGTCATCAAGGTC



TCGGACCACTGTGACTATGTCTTTGTCAATGGTAAAGAGATCAAGGGCAAGATGGACTCTGTGGTAACT  
 TCACCTACCAGCACCTGAGCGCACCGCTGCATGTCACTGTGTGGGTGCCACGGCTTCCCCTGCAGATCGA  
 GGTCTCTGACACAGAAGCTCAGCCAGGTTAAGGGCTGGAGAGTCCCCATCGTGGCCAGCAAGAGGCCCACT  
 CGGGACAGTGAGGAGGAAGAAGAGGAAGAACAAGAAAGGCCGGGGTTGTACCCTGCAGTCCAGCATGCCA  
 CAGTGC CGCTCCTACCCAATTTGTATCAGAGGGTGTGGGCCCTGGGCCAGCTGAGCCACCTTCTCAG  
 TCCAGACTGGCAGTTTGACATCACCCACCTGGTGGCTGACTTTATGAAGCTGGAGTCCCCACACATAGCC  
 ACCCTGCAGGACAGCAGGCTTTGGTTGGCGGGAAGTCCGAATGACCACCATCCAGGCTTTGTCTCCCC  
 TGTCCGACTCCATCTTGGCCGAGAAGACAGTAAGTGTGCTGGATGACAAAGTATCTGTGACAGACTTAGC  
 TGTCAGGTGGTGGCTGGCTGTCTGTACCCTACACCCCATCTCAGAGAACAACAAGGCCACCTCAGCT  
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 GTGATGGCTCAGTGACACCCCTGGATACTACGACTCCAAGGACTTCTCCTTGACTGCCATCTCTTTGGA  
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 TGGCTGTTGGCATTGGCCACGTGGGGTCAAGTTTGGATGGGATGACGCTGACTCCAGCCAGACTGGAGA  
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 GGCAGGATGAAGTATACCATGGCAACTTCTCTGGGGATCGTGAAGAAGGAGCGCTGAGTGTACACCA  
 CTACCAAGTCCCTGCTGGATAACAACGTGGGGAAGAGTGGCAGGCGGGACGGGGCTAGGCTACACAGCAT  
 ACCCATTGACTTCACCAATTTCCCGGCCATGTGGACCTCCCAAGGCCAAGACCAGGGGCACACTGGAG  
 GAGAATGGTCTCATGCAGACAGCCATGGCCTGAGTGACCTAGAGATTGGGATGTATGCCCTCTAGGTG  
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 GGTGCCTCTGGAAGGCCAGGCATCCATGACCCACTCTCATGACTGGGTCTGGCTGGGCAATGAGGCGGAG  
 CTCTTGGAGAACATTGGGGACCTGTCCCCACCCAGGATGAGCACAGACCATCATAGACCGAGGGCTGG  
 GGGCTGTGAGGAGAACAACCACTTACTTCTCAACGGTGGCTCCAAAAGCCACGCAGCAGCCAGTTCA  
 CAGGCCGCCAGGCTCCGGGGACGCGAGACCAGGAGCCAGGAGCCAGGAGCCTGCAAACTCACCCACTCC  
 AAGATGAAGAAGGTCAAGTTTGGCACATTCACCATCCACCTGAGGAAAGCTGCCCCACGGTGAAGTCCA  
 TCCTCAGTGGGAAGATGATATCAAGTGGGTTTGTCAAGACTGGACGTGGGCGCACCAAGGAAGTCAAG  
 AACCTACCTGGAGAAATCCAAGACAGTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG214981 representing NM\_175432  
 Red=Cloning site Green=Tags(s)

MDGVTAATMRSEGAAPRRAARYGALSLVLATLLGQVTE SRGVMDNIQRFS SLPYPVPSFHVLR AETAFF  
 LKEANPDPLRNASLQSRVESFFIYKAQPPVLNVSYPYSAEKVIPLDLMLNPNFLGPTSKFPFDWRLKA  
 YILQEKVYLSHPKVQVLFHIVGRDWDHRDEKLPCLRVFAFRDSREVRGSCRLGGPLGLCVAQLEMLPGW  
 FSPPAVVSGRRRPAERPEGSPVELYYAVQPGDERGDCTGGDTRKD NAIRPGKDGQEGRTSHLQKIGTISL  
 YRAQDSTQLSELRLDGNVVIWLPSQPVKQGDIVTASVTIANNSTVDHFILRAKVKKGVNILT VQTSEPRQ  
 WDV RQEVGNNGKHTTTSVACQRLGPGARNRSSNLFSEVMQMNFEIASFSSLSGTQPITWQVEYPRKGATD  
 IAVSEIFISQKDLVAIVPLAMDTELLNTAILTGKTVAMPVRVVSVEENSTLRDISSELVECKATDENVIK  
 SDHCDYVFNNGKEIKGKMDSVVNFYQHL SAPHVTVVWPRLPLQIEVSDTELSQVKGWRVPIVASKRPT  
 RDSEEEEEEQKGRGCTLQFQHATVRVL TQFVSEGAGPWGQLSHLLSPDWQFDITHLVADFMKLESPIA  
 TLQDSRVLVGREVGMTTIQVLSPLSDSILA EKTVTVLDDKVSVDLAVQVVAGLSVTLHPISENNKATSA  
 VAMAEELLRAPKKEAIIISTWLQFSDGSV TPLDIYDSKDFSLTAISLDEAVVSIPQLSPWWPTVVAEGEG  
 QGPLLRVDM SIAEACQKSKRKSVLAVGIGHVGVKFGWDDADSSQTGEKDEEIKNHASDRRQKIQDLERP  
 GQDEL YHGNFPGDREEGAL SATTTKSLLDNNVGKSGRRD GARLHSIPIDFTNFP AHVDLPKAKTRGTL  
 ENGLMQTAHGLSDLEIGMYALLGVFLA ILVFLINCATFAFKYRHKQVPLEGQASMTSHDWVWLGNEAE  
 LLENIGDL SPPQDEHTTIIDRGLGGCEENN HLLNNGSQKPTQSQVHRPPGSGGRQTR EPRQEPANSPTS  
 KMKKVKFATFTIPPEESCPTVNSILSGEDDIKWVCQDL DVGAPKELRTYLEKFQDSV

TRTRPLE - GFP Tag - V

**Restriction Sites:**

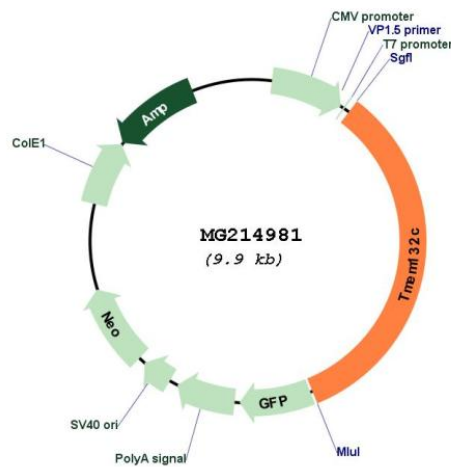
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_175432

ORF Size: 3321 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_175432.3, NP_780641.2</u>
<b>RefSeq Size:</b>	5113 bp
<b>RefSeq ORF:</b>	3324 bp
<b>Locus ID:</b>	208213
<b>UniProt ID:</b>	<u>Q8CEF9</u>
<b>Cytogenetics:</b>	5 G1.2