

## Product datasheet for **MG212601**

### Tmem169 (NM\_175564) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem169 (NM_175564) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmem169
Synonyms:	A830020B06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG212601 representing NM_175564 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGAGTCGGCACCGGTGGAAAGTCAGGGTCAGCTCCCAAGCCCCACCACGGCTCACTGAGGAGGG  
CAGTGGCTGCTGTCTGGCCCTGGATGGGAATCCACATTGGGCCGAGGAAGAAGAGGAGGAAAGACTC  
CCGCCCGAATCCATCATCATCTACCGGTCAGATAATGAGAAGACGGATGAGGAGCCTGAAGAATCTGAA  
GGTGGAGATCGGCCTAAGAGGAAGAGGGGGAGGACTTCTGGACTATCCTGGGGATGATGGTGTGGA  
ACATGCCTCTGGACAGCCGCTATGTCACACTAACCGGGACCATCACACGAGGGAAGAAGAAGGGTCAGAT  
GGTGGATATCCATGTCACTCTGACAGAGAAGGAGCTGCAGGAGCTGACCAAACCCAGGAGCTGTCCAGG  
GAAGCAGCCCCGAGGAAGGAGGGCTGCCAGGTCGGGGCGGACCAGGGGCCACACGTGGTCTCTGGA  
CACTGGTCTGCCTGCCTGTGGTCTTTGTGCTCTTTTCGTTGTGCTTTTCTATTATGGCACCATCACCTG  
GTACAACATCTTTCTGGTGTACAATGAAGAGAGGACCTTCTGGCATAAGATCTCCTGCTGTCCGTGCCTC  
ATTCTCTTCTACCCAGTGCTCATCATGACCATGGCCTCTCCCTGGGGCTCTATGCCCGCTGGCTCAGC  
TCTCATGGTCTGGCAGCGTGGTGGCGAGCTGCCTGTGACATGGAGAAAGGCTTCTGTGGTTGGCTCTG  
CAGCAAGCTGGTCTGGAGGACTGTTCTCCCTACAGCATTGTGGAAGCTGCTGGAGTCTGATAATATCTCG  
GGCAATCTCTCAACAAGGACCCATCCAGGAGGTAGAAACCTCTACTGTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG212601 representing NM\_175564  
Red=Cloning site Green=Tags(s)

MEESAPVESQQLPSPHHGSLRRAVA AVLALDGESTLGRKKRRKDSRPESII IYRS DNEKTDEEPEESE  
 GGDRPKEEEGEDFLDYPGDDGVWNMPLDSRYVTLTGTITRGKKKGQMVDIHVTLTEKELQELTKPKELSR  
 EAAPEGRRACQVGADQGPVVVLTWLVCLP VVFLSVFVVSFYGGITWYNI FLVYNEERTFWHKISCCPCL  
 ILFYVPLIMTMASSLGLYAAVAQLSWSWAAWRAACDMEKGF CGWLC SKLGL EDCSPYSIVELLESDNIS  
 GNLSNKDPIQEVETSTV

TRTRPLE - GFP Tag - V

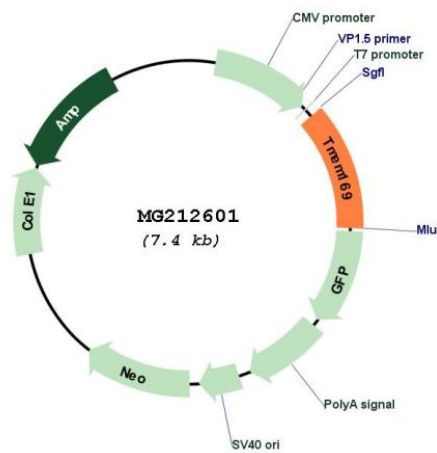
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_175564

**ORF Size:** 891 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">NM_175564.4</a> , <a href="#">NP_780773.1</a>
<b>RefSeq Size:</b>	2815 bp
<b>RefSeq ORF:</b>	894 bp
<b>Locus ID:</b>	271711
<b>UniProt ID:</b>	<a href="#">Q8BG50</a>
<b>Cytogenetics:</b>	1 C3