

## Product datasheet for **MG202916**

### Tmem127 (NM\_175145) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem127 (NM\_175145) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Tmem127  
**Synonyms:** 2310003P10Rik; AI314202; AI317350  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG202916 representing NM\_175145  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTATGCCCTGGAGGTGCCGGCTGCCGGGAGGGCGCCGGGAGAAGCCCGGAAGCAGCGCTCTTC  
 CCAAGCAGCCGGAGCGGAGCCTGGCCTCGGCCCTGCCTGGCGCCCTGTCCATCACAGCGCTGTGCACTGC  
 CCTCGCGAGCCCGCTTGGTTGCACATCCATGGAGGCACCTGTTCCCGCCAGGAGCTGGGGTCTCGGAC  
 GTGCTGGGCTATGTAACCCGGATCTGCTAAAAGATTTCTGCATGAACCCAGACAGTGTCTCTCTGA  
 GGGTCATCGCTGCTTTCTGCTTCTGGGCATCCTGTGTAGTCTCTGCAATTCCTTTGGATGTCTTTGG  
 GCCAAGCATCCAGCTCTGAAGATTACTCGTCGGTATGCCTTTGCTCACATCCTCACTGTCTACAGTGT  
 GCTACCGTCATTGGCTTTTCTATTGGGCTTCTGAGCTCATCCTGGCCAGCAGCAACAGCATAAGAAGT  
 ACCACGGCTCCCAAGTCTATGTCACCTTTGCTGTAGCTTCTACTTGGTGGCAGGAGCTGGTGGAGCCTC  
 AATCCTGGCTACTGCAGCCAACCTCCTGCGCCACTACCCAACAGAGGAAGAAGAACAAGCACTGGAGCTA  
 CTATCTGAGATGGAGGAGAATGACCCCTACCCAGCAGAGTATGAGGTCATCAACCAATTCAGCCACCCC  
 CTGCCTATACCCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG202916 representing NM\_175145  
Red=Cloning site Green=Tags(s)

MYAPGGAGLPGRRRRSPGSSALPKQPERLSALPGALSITALCTALAEPAWLHIHGTCRSRQELGVSD  
 VLGYYNPDLLKDFCMNPQTVLLLRVIAAFCFLGILCSLSAFLLDVFGPKHPALKITRRYAFHILTVLQC  
 ATVIGFSYWASELILAQQQHKHYHGSQVYVTFAVSFYLVAGAGGASILATAANLLRHYPTEEEQALEL  
 LSEMEENDPYPAEYEVINQFPPPAYTP

TRTRPLE - GFP Tag - V

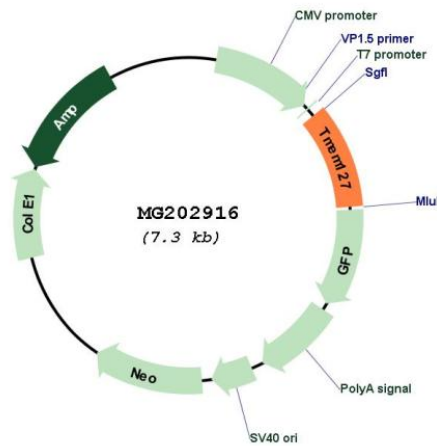
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_175145

**ORF Size:** 714 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_175145.4</a>
<b>RefSeq Size:</b>	4401 bp
<b>RefSeq ORF:</b>	717 bp
<b>Locus ID:</b>	69470
<b>UniProt ID:</b>	<a href="#">Q8BGP5</a>
<b>Cytogenetics:</b>	2 61.87 cM
<b>Gene Summary:</b>	Controls cell proliferation acting as a negative regulator of TOR signaling pathway mediated by mTORC1. May act as a tumor suppressor.[UniProtKB/Swiss-Prot Function]