

## Product datasheet for **RG233311**

### **TMEM218 (NM\_001258239) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TMEM218 (NM\_001258239) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TMEM218  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG233311 representing NM\_001258239  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCCCTGGTGTCTTCTACCAAGTCTTAGTGTGTGCTGACTGGAGCACAGAGGACACTCGATCGTGCGGGC  
CGCAGGGCGGGGGCGCCGCTGCCTCCCCGCGGATGGCTGGCACTGTGCTCGGAGTCGGTGCGGGCGT  
GTTTCATCTTAGCCCTGCTCTGGGTGGCAGTGTGCTGCTGTGTGTGCTGTCCAGAGCCTCCGGGGCG  
GCGAGGTTCTGTGCATTTTTTTATTCTCGGTGCTGTGATCATCACATCAGTTCTGTTGCTTTTCCCGC  
GAGCTGGTGAATCCCAGCCCCAGAAGTGAAGTTAAGATTGTGGATGACTTTTTTCATTGGCCGCTATG  
CCTGCTGGCTTTCTTAGTGCCATCTTCTTGGAGGCCTTCTTGGTTTTAATCCATTATGTTCTGGAG  
CCGATCTATGCCAAACCACTGCACTCTAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG233311 representing NM\_001258239  
Red=Cloning site Green=Tags(s)

MPWCLLPVLSVLHWSTEDTRSCGAQGGPPLPPRGMAGTVLGVGAGVFILALLWVAVLLLCVLLSRASGA  
ARFSVIFLFFGAVIITSVLLFPFRAGEFPAPEVEVKIVDDFFIGRYVLLAFLSAIFLGGLFLVLIHYVLE  
PIYAKPLHSY

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<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_001258239.2</a>
<b>RefSeq Size:</b>	4012 bp
<b>RefSeq ORF:</b>	453 bp
<b>Locus ID:</b>	219854
<b>UniProt ID:</b>	<a href="#">A2RU14</a>
<b>Cytogenetics:</b>	11q24.2
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	May be involved in ciliary biogenesis or function.[UniProtKB/Swiss-Prot Function]