

Product datasheet for **RG233314**

TMEM218 (NM_001258246) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM218 (NM_001258246) 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: >RG233314 representing NM_001258246
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCTGGTGTCTTCTACCAAGTCTTAGTGTGTTGCACTGGAGCACAGAGGACACTCGATCGTGCGGGC
CGCAGGGCGGGGGCGCCGCTGCCTCCCCGCGGATGGCTGGCACTGTGCTCGGAGTCGGTGCGGGCGT
GTTTCATCTTAGCCCTGCTCTGGGTGGCAGTGTGCTGCTGTGTGTGCTGTGCCAGAGCCTCCGGGGCG
GCGAGGTTCTGTGTCATTTTTTTATTCTTCGGTGTGATCATCACATCAGTTCTGTTGCTTTTCCCGC
GAGCTGGTGAATCCCAGCCCCAGAAGTGAAGTTAAGATTGTGGATGACTTTTTTCATTGGCCGCTATGT
CCTGCTGGCTTTTCCTTAGTGCCATCTTCTTGGAGGCCTTCTTGGTTTTAATCCATTATGTTCTGGAG
CCGATCTATGCCAAACCACTGCACTCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233314 representing NM_001258246
Red=Cloning site Green=Tags(s)

MPWCLLPVLSVLHWSTEDTRSCGAQGGPPLPPRGMAGTVLGVGAGVFILALLWVAVLLLCVLLSRASGA
ARFSVIFLFFGAVIITSVLLFPRAGEFPAPEVEVKIVDDFFIGRYVLLAFLSAIFLGGLFLVLIHYVLE
PIYAKPLHSY

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<ol style="list-style-type: none">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_001258246.2
RefSeq Size:	3988 bp
RefSeq ORF:	453 bp
Locus ID:	219854
UniProt ID:	A2RU14
Cytogenetics:	11q24.2
Protein Families:	Transmembrane
Gene Summary:	May be involved in ciliary biogenesis or function.[UniProtKB/Swiss-Prot Function]