

## Product datasheet for RC233312

### TMEM218 (NM\_001258242) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TMEM218 (NM\_001258242) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TMEM218  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC233312 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

RCATGCCCTGGTGTCTTCTACCAGTTCTTAGTGTGTCGCACTGGAGCACAGAGGACACTCGATCGTGCGG  
CGCGCAGGGCGGGGGGCCCGCTGCCTCCCGCGGGATGGCTGGCACTGTGCTCGGAGTCGGTGCGGGC  
GTGTTTCATCTTAGCCCTGCTCTGGGTGGCAGTGTCTGCTGTGTGTGCTGTCCAGAGCCTCCGGGG  
CGGCGAGGTTCTCTGTCAATTTTTTATTCTTCGGTGTGTGATCATCACATCAGTCTGTGCTTTTCCC  
GCGAGCTGGTGAATCCAGCCCCAGAAGTGAAGTTAAGATTGTGGATGACTTTTTTCATTGGCCGCTAT  
GTCCTGCTGGCTTTCCTTAGTGCCATCTTCCTTGAGGCCTCTTCTTGGTTTTAATCCATTATGTTCTGG  
AGCCGATCTATGCCAAACCACTGCACTCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC233312 protein sequence  
Red=Cloning site Green=Tags(s)

XCPGVFYQFLVCRTGAQRTLDRARRAGRRCLPAGWLALCSESVRACSS\*PCSGWQCCCVCCPEPPG  
RRGSLFFYSSVL\*SSHQFCCFSRELVNSQPQKWLRLWMTFLAAMSCWLSLVPSSLEASSWF\*SIMFW  
SRSMPNHCTP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6108\\_d10.zip](https://cdn.origene.com/chromatograms/mk6108_d10.zip)

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001258242

**ORF Size:** 450 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.

**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:**
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\\_001258242.1](#), [NP\\_001245171.1](#)

**RefSeq Size:** 4003 bp

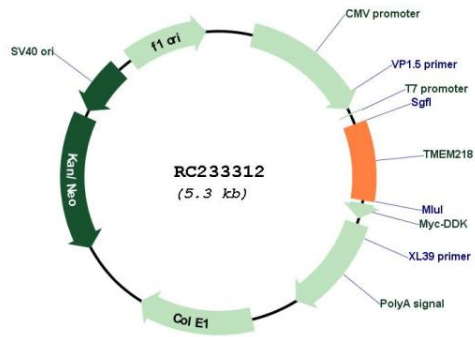
**RefSeq ORF:** 453 bp

**Locus ID:** 219854

**UniProt ID:** [A2RU14](#)

Cytogenetics: 11q24.2  
Protein Families: Transmembrane  
MW: 16.1 kDa  
Gene Summary: May be involved in ciliary biogenesis or function.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC233312