

Product datasheet for **RC233314**

TMEM218 (NM_001258246) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM218 (NM_001258246) 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:	>RC233314 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

RCATGCCCTGGTGTCTTCTACCAGTTCTTAGTGTGTCGCACTGGAGCACAGAGGACACTCGATCGTGCGG
CGCGCAGGGCGGGGGGCCCGCTGCCTCCCGCGGGATGGCTGGCACTGTGCTCGGAGTCGGTGCGGGC
GTGTTTCATCTTAGCCCTGCTCTGGGTGGCAGTGTCTGCTGTGTGTGCTGTCTCCAGAGCCTCCGGGG
CGGCGAGGTTCTCTGTCAATTTTTTATTCTTCGGTGCTGTGATCATCACATCAGTTCTGTTGCTTTTCCC
GCGAGCTGGTGAATCCAGCCCCAGAAGTGAAGTTAAGATTGTGGATGACTTTTTTCATTGGCCGCTAT
GTCCTGCTGGCTTTCCTTAGTGCCATCTTCCTTGAGGCCTCTTCTTGGTTTTAATCCATTATGTTCTGG
AGCCGATCTATGCCAAACCACTGCACTCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC233314 protein sequence Red=Cloning site Green=Tags(s)
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XCPGVFYQFLVCRTGAQRTLDRARRAGRRCLPAGWLALCSESVRACSS*PCSGWQCCCCVCCPEPPG
RRGSLFFYSSVL*SSHQFCCFSRELVNSQPQKWLRLWMTFLAAMSCWLSLVPSSLEASSWF*SIMFW
SRSMPNHCTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6108_d10.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001258246

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_001258246.1](#), [NP_001245175.1](#)

RefSeq Size: 3988 bp

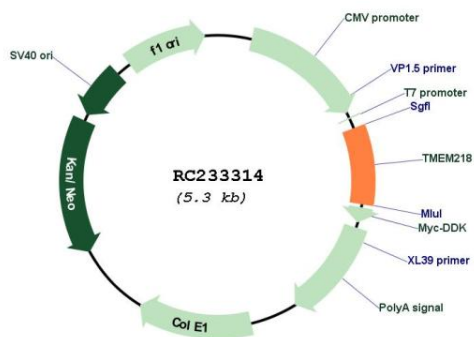
RefSeq ORF: 453 bp

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 RC233314