

Product datasheet for **MC225568**

Tmem216 (NM_001277861) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Tmem216
Synonyms:	1110017C22Rik; 2810441K11Rik; 4921533J23Rik; A930021F15Rik; A1482550
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	<p>>MC225568 representing NM_001277861 Red=Cloning site Blue=ORF Orange=Stop codon</p> <p>TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCCGATCGC</p> <p>ATGCTGCTGCTCTATCTTGGCATTGAAGTCATACGATTGTTTTTCGGTACAAAGGGAAACCTCTGCCAGC GAAAGATGCCCTTGGCATTAGTGTGGCCTTGACCTTCCCATCCGCTATGATGGCTTCTATTACCTGCT GCTGCAGACCTACGTGCTCCGCCTAGAAGCTATCATGAACAGTATCTTGCTCTTCTTTGTGGCTCAGAG CTGCTGCTTGAGATGCTCAGCTGGCCACCTTCTCCAGCATGGACAGGATCTGA</p> <p>ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA</p>
Restriction Sites:	SgfI-MluI
ACCN:	NM_001277861
Insert Size:	264 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001277861.1</u> , <u>NP_001264790.1</u>
RefSeq Size:	1042 bp
RefSeq ORF:	264 bp
Locus ID:	68642
UniProt ID:	<u>Q9CQC4</u>
Cytogenetics:	19 A
Gene Summary:	<p>This gene encodes a transmembrane protein which is involved in regulation of signaling and trafficking of associated proteins. In humans, mutations in this gene are associated with ciliopathies including Joubert, Meckel and related syndromes. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2013]</p> <p>Transcript Variant: This variant (3) contains an alternate 5' terminal exon, differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. Variants 2 and 3 encode the same isoform (2), which has a shorter N-terminus compared to isoform 1.</p>