

Product datasheet for **MC210451**

Tmem107 (NM_028336) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem107 (NM_028336) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tmem107
Synonyms: 1110004B13Rik; 2810049P21Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210451 representing NM_028336
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGTCGGATCTCCGGGCTCGTGCCCTCTCGGTTCTGACGCTCTTGGCTCATCTGGTGGTTGTCATCA
CGTTGTTCTGGTCCCGGAAAGCAACATCCAGGCTTGCCTGCCTCAAATTCACCCCGGAGGAATACGA
AAAGCAGGACAACCAGCTGGTAGCCGCGCTCTGTCTCACCTGGGCTCTTTGCAGTGGAGCTGGCTGGC
TTCTCTCAGGAGTCTCCATGTTCAATAGCACCCAGAGCCTCCTCTCCATTGCAGCCCACTGTAGCGGT
CTGTGGCCCTGTCTTTCTCGTATTCGAGCGATGGGAATGTACCAGTACTGGTACATTTTTACCTCTG
CAGGTGCCCTAGCACCAATATTTTGAATGGGGGGGGTGGTGGAAAATCGATCCCAAATCTGAAGGT
TCCCCACCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_028336
Insert Size: 432 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).



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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:	<u>NM_028336.3</u> , <u>NP_082612.2</u>
RefSeq Size:	1281 bp
RefSeq ORF:	432 bp
Locus ID:	66910
UniProt ID:	<u>Q9CPV0</u>
Cytogenetics:	11 B3
Gene Summary:	Plays a role in cilia formation and embryonic patterning. Requires for normal Sonic hedgehog (Shh) signaling in the neural tube and acts in combination with GLI2 and GLI3 to pattern ventral and intermediate neuronal cell types. During ciliogenesis regulates the ciliary transition zone localization of some MKS complex proteins (PubMed:26595381, PubMed:26518474).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) is the longer transcript and encodes the longer isoform (2).