

Product datasheet for MC212991

Tmem231 (NM_001033321) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem231 (NM_001033321) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tmem231
Synonyms: 4932417I16Rik; Gm178
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212991 representing NM_001033321
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCTGTACCATCTCTCTCACCCAATCGAGCGCGCTTACCGCGCGGGGCTCTGCTCCAAGGCCG
 CGCTCTTCTGCTGTTGACCACCGCGCTCACCTACATCCCCCGCTGCTGGTGGCCTTCCGAGCCACGG
 GTTTTGGCTGAAGCGGAGCAGCTACGAGGAGCAGCCGAACGTGCGCTTCCAGCACCAAGTCTGCTCGT
 GCTCTCCTGGGGCCGGAGCCTGAAGCCTTCTCGCCTGGAGCACGTTCCCCACCTTCAACCGGCTGCAAG
 GGGCTCACCTGCGCGTCCCGCTCGTGTCTGTCAGAGAAGAAGACCGGAACCAGGATGGAAAAATGGATG
 GCTGTACTTTAACTTGAACCTCCCTGCAACCCACAGAGCATGTCTCGGTGTGCAGCTAATCCTGACC
 TTCTCCTACCAACTGCACAGGATGTCAACATTCGAGATGCAGAGCATGGCCTTTCTCCAGTCTCCTTTG
 CTGTCCCTGGGTACAGTTATATGTGAATGGCGACCTGAGGCTGCAACAGAAGCAGCCACTGAGCTACCG
 TGGCCTGGACATCAGATAAACGTGTCCGTGATCAATGGGACAAGTCCTTTTGGCCAGGACTACGACCTC
 ACCACATTGTTGCCCTATCAGGAAAGAAATGTTACCACTGTCCTCAGTGACCCCAACCCGATCTGGC
 TGGTGGGAGAGCCGCTGAAGCTCCGTTCTGATCCATGCTCATCCGCTATCCACGGAAGTCATTTTC
 TTACCAGCCAGGTTCTGGGAGATGATCAAGTTCGCTGATCCAGTATGTCAGCATCCTGCTGATCTTC
 CTCTGGGTGTTTGAAGAATCAAATCTTCGTGTTTCAGAACCAAGTAGTGACCTCTATCCCTGTAGCCG
 TGCCCCAGGGAGAGATACGGAAAGAGCACTTATCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001033321
Insert Size: 948 bp



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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).
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_001033321.1</u> , <u>NP_001028493.1</u>
RefSeq Size:	2887 bp
RefSeq ORF:	948 bp
Locus ID:	234740
UniProt ID:	<u>Q3U284</u>
Cytogenetics:	8 E1
Gene Summary:	Transmembrane component of the tectonic-like complex, a complex localized at the transition zone of primary cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes. Required for ciliogenesis and sonic hedgehog/SHH signaling.[UniProtKB/Swiss-Prot Function]