

Product datasheet for **RN215961**

Tmem11 (NM_001166165) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem11 (NM_001166165) Rat Untagged Clone
Tag: Tag Free
Symbol: Tmem11
Synonyms: RGD1309817
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215961 representing NM_001166165
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTGTTGGAATGGTTAGCCTGTCAGCTACAGATTGCTACATTGTGCATGAGATCTACAGTGGGGAGA
ATGCCCAGGACCAGTTTGAGTATGAGCTGGAGCAGGCGCTGGAAGCCCAGTACAAGTACATTGTGATAGA
GCCACCCGGATTGGAGACGAGACAGCAGCTGGATCACCGTAGGCAATTGCCTGCACAAGACGGCCGTG
TTGGCAGTACTGCCTGCCTCTTCACCCATTGGCACTGCCCTGGATTACTCCCACTACATCTCCCTGC
CCGCTGGTGTGCTGAGCCTGGCCTGCTGTACCCTCTATGGGATCTCCTGGCAGTTTGACCCTTGCTGCAA
GTACCAGGTGGAGTATGATGCCTATAAACTGTCCCGCCTGCCTCTGCACACGCTCACCTCCTCCACACCA
GTGGTGTGGTTCGGAAGGACGACCTGCACAGAAAGAGACTGCACAACACAATAGCCCTGGCTGCCCTGG
TGACTGTGTAAGAAGGTTTATGAGCTCTACGCCGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001166165
Insert Size: 531 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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| 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. |
| RefSeq: | <u>NM_001166165.1</u> , <u>NP_001159637.1</u> |
| RefSeq Size: | 1511 bp |
| RefSeq ORF: | 531 bp |
| Locus ID: | 303196 |
| UniProt ID: | <u>B0BN86</u> |
| Cytogenetics: | 10q22 |
| Gene Summary: | Plays a role in mitochondrial morphogenesis.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1. |