

Product datasheet for RN207139

Tmem41b (NM_001012358) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem41b (NM_001012358) Rat Untagged Clone
Tag: Tag Free
Symbol: Tmem41b
Synonyms: RGD1310870
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN207139 representing NM_001012358
Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCC

ATGGCGAAAGGCAGAGTCGCCGAGCGATCGCAGACCGAGATGCTGCACTCGACCCAGCGGGGGACCGGG
CAGTGGGGACGCAGGGTCCGCTGCTCCAGGCAACAAAGATCATCTGAAAGAAAAGCCTTGTGTGGAAGC
TGGGTCAGCAAGAACGTCACCTTATACTGGTGTCCATTTTTTCATGTGCAGCTTTTGTATGTTTTG
GTGTATAAAAATTTCCCTCAGCTTAGTGAGGAAGAGAGATGAATATGAAGGTTCCGAGAGATATGGATG
ACGCCAAGGCTCTAGGAAAAGTTCTTTCCAATATAAGGACACCTTTTATGTACAAGTATTGGTTGCTTA
TTTTGCTACATATATTTTTCTGCAACATTTGCTATCCCAGGTTCCATATTCCTCAGTATACTCTCCGGG
TTTCTTTATCCCTTCCACTTGCCTTATTCCTTGTGTTGCTTGTGCTCTGGACTTGGTGCCTCATTCTGCT
ACATGCTCTCCTACTTAGTTGGAAGACCCGTTGTATAACAAGTACCTAACAGAGAAGGCAGTGAAGTGGTC
ACAGCAGGTAGAGCGTCATAGAGAACATCTTATTAACATATTTATTTTTGAGAATCACACCGTTTCTG
CCTAATTGGTTTATTAATATTACATCTCCTGTGATAAATGTACCATTGAAAGTGTTTTTTATTGGCACTT
TTCTAGGTGTTGCACCTCCCTCTTTTGTAGCAATTAAGGCGGGAACAACCTTTATCAGCTCACAAACAGC
AGGGGAAGCTGTATCCTGGAACCTGGTATTTATTCTGATGATTTTGGCTCTTCTTCTATTCTGCCAGCC
ATCTTCAAAAAAATAAGCAGAAGTTTGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: AscI-MluI
ACCN: NM_001012358
Insert Size: 876 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).
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_001012358.1</u> , <u>NP_001012358.1</u>
RefSeq Size:	2382 bp
RefSeq ORF:	876 bp
Locus ID:	361626
UniProt ID:	<u>Q5FVN2</u>
Cytogenetics:	1q33
Gene Summary:	Required for normal motor neuron development. Required for autophagosome formation. [UniProtKB/Swiss-Prot Function]