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Product datasheet for RN211503

Tmem132d (NM_198727) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem132d (NM_198727) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmem132d
Synonyms:	MOLT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN211503 representing NM_198727 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTGCCCATCTGAGATGGGGACGCTGTGGTACCTCTGGTCTCCGGTACTCATCAGCCTAGCTGCCCTGT TCTCCAAAGTGACGGAAGGCCGAGGGATCCTGGAGAGCATTCAGCGGTTCTCACTGCTGCCTACCTACCT CCCGGTGACCTACCACATCAACAATGCTGATGTCTCCTTCTTCCTAAAGGAGGCCAACCAGGACATCATG CGCAATTCCAGCCTGCAGTCGCGGGTCGAGTCCTTCCTGATCTACAAATCCAGGCGACTGCCAGTGCTCA ACGCCAGCTACGGGCCCTTCTCACTTGAGCAGGTAGTGCCCCAGGACTTGATGCTGCCTTCCAACCCATT CGGATTCACTAACACTTTCTCTCTTAACTGGAGGCTGAAGGCCTACATCTTGCAGGAGAAAGTCTACCTG AGCCATCCCAAAGTGCAGGTGCTCTTCCACATCGTGGGCCGAGACTGGGATGACCACAGGGACGAGAACT TGCCTTGCCTGCGGGTTTTTGCTTTCCGAGAGACCCAAGAGGTTCGAGGTAGCTGCCGGCTGGGTGGGGC CCTGGGGCTGTGCGTGGCCCAGCTGGAAATGCTGCCGGGCTGGTTCAGTCCCCCATCAGTGGTGTCTGGG CGCAGGAGGCCCACAGAGCAGCCAGAAGGGAGTCCTGTGGAACTGTATTACGCTGTACAGCCAGGGGATG AGCGAGGTGACTGTGCCAAGGAGGACTCGAGGAAGAGCCGTGGGCCTCCAGCAGGCCACAATGATGTTGA TGAATCCAGTCCCCCTTTGCATAGAATTGGGAGCGTCTTCCTTCGGGAGACCCCCAGCAGTCCACCTTTG AGGGAGCTGCGTTTGGATAGCAACGTGGCCGTTCACTATATCCCCAAGACTGTGCGACAAGGAGATGTCC TCACCTTCCCTATCTCTGTCTCTAGGAACTGCACGGAGGATCGCTTCACACTGAGGGCCAAGGTTAAGAA AGGAGTGAGCATTGTTGGGGTGAGAGCCAGCACTTCTTCTCTCTGGGACGTCAAGCAGAGCACGGAGTAC ACTGGGAAGTACGCACCAGCGGTTATCATCTGTCAAAAGAAATCTGCTGGCTCAGGAAAGAGTGTGGATG ATGCCTCCTACGAAGTCATGAAGATTGACATCGAGGTCGAAGCACCCAGTGACCCGCCCACCACACAGCT CGTGACATGGCAGGTTGAATACCCAGGAGAGATCACGTCTGACCTGGGGGTGTCCAAGATCTACGTGAGC CAGAAGGACTTGATTGGAGTCATACCACTAGCCATGGAGGCAGAGATCCTGAACACGGCCATCCTCACTG GGAAAACAGTGGCTGTCCCTGTGAAGGTGATCTCAGTAGAGGAAGATGGCACAGTACAAGGGCTGTCGGA CTCGGTGGAGTGCAGGTCATCCGATGAAGATGTGGTTAAGGTTTCTGACAGATGTGACTATGTCTTCGTC

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AATGGGAAGGAAATGAAGGGCAAGGTGAACGTGGTTGTCACCATCACCTACCAGCACCTGAGCAGCCCCC
TGGAGATGACAGTGTGGGTGCCACGGCTACCCCTGCAGATCGAGGTCTCAGACATGGAGCTAAACCAGAT
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TCACTCTCACGACTGGGTTGGGCTGAGCAACCGGACAGAGCTCTTGGGGAACCATATGAACTTCGCCTCC
TCCCAAGAGGAGCAGATCACTGCCATTGACAGGGGTCTGGACTTTGAGGAGAGCAAACTCCTTCTCAGCT
CAAACTCTCAGAACAGCATCAACGGACAGCTGTTCAGGTCCACAGGAGCCATGCTCACAGATGACAAAGA
ACAGAAGAGCGAACCCCCTACGTCCCCTACCTCCAAAAGGAAAAGAGTGACATTTTCCACATTCTCCGCC
ATCTCCTCAGACGACGGGTGTCCTTCTGGGAACACCATGGTGTTGAGTAACGAGGATGATATTAAGTGGG
TCTGCCAGGCCCTGGATCCTGGCGAGTGCCCAGAACCTCACAGTTGCATGGAGCGGCTACATGAGCACGT
GTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_198727

Insert Size: 3294 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

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:	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:	NM_198727.1, NP_942022.1
RefSeq Size:	3422 bp
RefSeq ORF:	3294 bp
Locus ID:	288750
UniProt ID:	Q76HP2
Cytogenetics:	12q13-q14
Gene Summary:	a mature oligodendrocyte-specific protein which may serve as a marker for oligodendrocyte differentiation [RGD, Feb 2006]