

Product datasheet for RN211035

Tmem38b (NM_001014191) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem38b (NM_001014191) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmem38b
Synonyms:	RGD1305703
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN211035 representing NM_001014191 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGAGTACCGTGGGATGATCTGACTCTGGCCTTCTCCCGCACGTCCATGTTCCCTTTTGGACATCG
 CCCACTACCTGGTGTGGTGATGGCGCTGAAGCAGCGGCCAGGAGCGGTGGCCGCGGCCTGGAGCAACCC
 CCTGTCCAGCTGGTTGAGTGCTATGCTGCATTGCTTTGGGGGAGGAATTTGTCGTGTATACTGCTTGCA
 GAGCCTCCACTGAAGTTCCTTACAAACCACACTAATATTTTACTGGCATCTTCAATCTGGTATATTGTAT
 TCTTTTGCCACGTGACCTAGTTTCCAGGGCTACTCATATCAACCTATTCAGCTCCTGGCTGCGGGAAT
 GAAGGAAGTGACCAGAACTTGGAAAATAGTAGGTGGAGTCGCGCATGCTAATGGCTATTACAGGAATGGC
 TGGATAGTCATGATAGCTGTTGGATGGGCCGAGGTGCAGGTGGTGTATCATCACAGCTTGTGAGCAGT
 TGTTAAAGGAGACTGGAACCAGAAAGGTGATGAATGGCTGAAGATGTCCTTCCCTTGCAAGGTAACCCCT
 GCTGGGGTCAATTATGTTCACTTCCAGCACACCAGGCATCTGGCAATATCAAAGCATGATCTCATGTTC
 CTTTACACCATCTTCTCGTGACCATAAAGGTGACCATGATGATGACGAAGGATGCTGCTGTGACTCTCA
 CGCCCTTCGAGGACACCTTGACTCGGATGCTGTTGGCCGGCAGCAGCAGCAGTTCGTTGAGTGAAAA
 GAAAGCTGAAGTCAAACCGTCTTCCAATGGTTCTGCCTCCTCAGCGTCCAAGCGGGGCACAGAGCCTCCA
 AGTAGTGCTAAGAGACACGCCAAGAAAGAAGAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001014191
Insert Size:	876 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001014191.1</u> , <u>NP_001014213.1</u>
RefSeq Size:	2708 bp
RefSeq ORF:	876 bp
Locus ID:	362521
UniProt ID:	<u>Q68FV1</u>
Cytogenetics:	5q24
Gene Summary:	Monovalent cation channel required for maintenance of rapid intracellular calcium release. May act as a potassium counter-ion channel that functions in synchronization with calcium release from intracellular stores.[UniProtKB/Swiss-Prot Function]