

Product datasheet for RN211863

Tmem38a (NM_001100175) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem38a (NM_001100175) Rat Untagged Clone
Tag: Tag Free
Symbol: Tmem38a
Synonyms: RGD1307901; Srp-27
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN211863 representing NM_001100175
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACCTGATATCATCGCTGAGCCTGGGCGAGCTAGCGCTCAGCTTCTCGGGGTGCCGCTTCCCTG
TCTTCGACCTCAGCTACTTCATCGTCTCCATCATCTACCTGAAGTATGAGCCAGGGTCTGTGGAGCTGTC
CCGGCGTCACCCGGTGGCATCCTGGCTGTGCGCCATGCTGCACTGTTTTGGGAGTTACATCTGGCCGAC
CTGCTTCTGGGAGCCCATATTGACTACTTCAGCAACAGCTCCAGTATCCTGCTGGCCTCCGGAGTGT
GGTACTTGATTTCTTCTGTCCCTTGGACCTCTTCTACAAGTGCCTCTGCTTTCTGCCTGTAAAACCTCAT
CTTTGTGGCTATGAAGGAGGTGGTGAAGGTCGAAAGATTGCTGTGGGTATCCATCACGCACACCACTAC
CACCATGGGTGGTTCATCATGATCGCCACCGGATGGGTCAAAGGCTCTGGCGTTGCCCTTCTGTCCAAC
TGGAACAGCTGCTTCGAGGCGTCTGGAAGCCAGAGACCAATGAGATCCTACACATGTCTTCCCACTAA
GGCCAGTCTGTATGGAGCCATCCTGTTACCTTGAACAGACCCGCTGGCTCCAGTGTCCAAGGCCAGC
CTCATCTTCGTCTCACCATGTTTATGGTGTGTAAGGTGTTCTGACAGCCACTCACTCCCATAGTT
CTCCATTTGATGCTCTGGAGGGTTACATCTGCCAGTGTGTTTTGGGCAACTTGGGAGGCCGACCATCA
CCATGACAACCATGGAGCACCACATGGCATGGGCTAGGCACCCAGCACTCTGGCTTGCCTAAGGCC
AAGGAAGAGCTGAGCGAAGGCTTCAGGAAGAAAAGACCAAGAAAAGCGGAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001100175
Insert Size: 894 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_001100175.1</u> , <u>NP_001093645.1</u>
RefSeq Size:	1516 bp
RefSeq ORF:	894 bp
Locus ID:	306327
UniProt ID:	<u>A6ZIQ8</u>
Cytogenetics:	16p14
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]