

Product datasheet for **RN206237**

Tmem63c (NM_001108045) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem63c (NM_001108045) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmem63c
Synonyms:	RGD1310207
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN206237 representing NM_001108045
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTGCTTCTCCAGAAAGCATGGGCCAAAAGTTTCGAAACATGACGGCAAATGAGTGTTCCAGTCCC
 GGAGCACTGTCTTCAGGGGCAGCCCTTTGGGGGATCCCACTGTGCTTACTCAACATCATCTTATG
 GGTGTGCGTTGTCTTGGTTACTCCTTCTCCGAAAGCTGCGTGGGACTACGGGCGCCTGGCTCTGCTG
 ATACACAATGACAGCCTAACCTCGTGATCTACGGAGAGCAAAGTGAGAAGTCATCCCCCTCAGAGGTTT
 ACTTGGAGGCAGAACGCAGGGACAAGGGCTTCTACCTGGTTCTTCAACAGCCTAACTATGAGGGACCG
 GGACCTGATCAACAAGTGCAGGGGAAGATGCTCGAATTTACATCATGTTCCAGTATCACCTCATCATCTTT
 GTGCTCATCTCTGCATCCCTCCCTGGGCATCATTTTGCCTGTTAACTACATTGGAAGTCTCTGGACT
 GGAGTAGTCACCTTGGTTCGGACCACCATTGTCAATGTCTCTACAGAGAGCCAGTTCCTGTGGCTGCACAG
 CATCTTTGCCTTCATGTACTTCCCTACCAACTTCGCCTTCATGGGTTCATCACTGCTTGGGATTTGTGCCA
 AAGAAGAACCTCCATTTACAGAGGACGCTGATGATCACCTACGTTCCCACTGAAAATCCAGGATCCCAGAGA
 CCATCAGCAAGCACTTCCATGAGGCCTATCCTGGGTGTGTGGTGACCAGAGTCCATTTCTGCTATGATGT
 CAGGAACCTGATTGACTTGGATGATCAAAGACGCCATGCCATGAGGGGCAGGCTCTACTACACAGCCAAG
 GCTAAGAAGACTGGGAAGGTGATGATCAAGGTTTCCCTGTTCCCACTGTGCTTCTGCAAGTGTGGGA
 CCTGCTTAAAGGAGGTAGATGCGGAGCAGTACTACAGTGAAGTGGGAAGAGCAGCTGACAGATGAGTTCAA
 TGCTGAGCTCAATCGTGTCCAGCTGAAGAGGCTCGACCTGATCTTTGTACCTTCCAGGATGCCAGGACA
 GTGAAAAGAATCCATAATGATTACAAGTACATCAATTGTTAGACACCCCATGCAGTCTTCAGTAACGA
 CCATTGTCAAAAACAACCACTGGAGGGTGTCTGTCGCCCTCACCCAAAAGACATCATCTGGAACACACT
 GTCCATCCGCGCTTCAGTTGGTGGGCTCGATTTATCGCCATCAACACCTCCCTGTTCTTCTCTCTTCT
 TTTCTACCACGCTGCCATCATCATCAACACCATCGACATGTACAATGTCAACCCGCCATTGAGAAAT
 TGCAGAGCCCCGTGCTGACTCAGTTCTTCCCTCTGTGCTGCTCTGGCCTTCACTGTGATAATGCCTCT
 GCTGGTCTACTTCTCCGCTTTCCTAGAGGCCCACTGGACGAGATCGAATCAGAACCTGATCATAATGTAC
 AAATGCTACATCTTCTGGTGTATGTTGGTGTCTTCTGCCCTCCATGGGGCTGACTAGTCTGGATGTGT
 TTTTGCCTGGCTCTTTGACATCTACTATCTCGAACATGCAACCATCAGGTTCCAGTGCCTGTTCTTCC
 AGACAATGGTGCCTTCTTATCAACTACGTGATCACATCAGCTCTGTTTGGCACAGGCATGGAGCTGATG
 CGCTGGGGTCACTCTGCACATACTGCACCCGCTCTTCTTATCCAGATCAGAGCCAGAGAGGTTCA
 TCAGAAAAGAACTGGCCATGGATTTCAAATTTGGACGAGAGTATGCATGGATGTTGAACGCTTTCAGCGT
 GGTGATGGCATATAGCATCACTTGCCTATAATCGTCCCGTTTGGGCTGCTGATCTGTGATGAAGCAC
 ATCACAGACCCGCTATAACATGACTACTCCTATGCGCCCACTAACTGAACGCGCAGATCCACATGGCCG
 CTGTCTACCAGGCCATATTTGCCCACTGTTGGGACTCTTCTGGATGCTCTTCTTCTCAATCCTGAGAGT
 AGGTTCCCTCCACAGCATCACTTTGTTTCTTGTGCTGATCATCATCTCCGTGATCATCGCCTTTTCT
 GGCGTTTTTCTGGGAAGTTCGGATTGCCAACAGTATGAGCAGCCTGAGGAAGAAACAGAGACTGTGT
 TTGATGTGGAACCAAGCAGCACCACCTCCACTCCACCTCCCTTCTGTACGTGGCCACCGTGCTACAGGA
 ACCGGAGCTGAACCTGACCCCGCTCCTCCCAAGCCCGCACACCTATGGCACCATGAACAGCCAGCCA
 GAAGAGGAGAAGAAGAGAGTGGTCTGAGAGGCTTTGCAAGGGAGCTGGACCCAGCCAGTTCAGGAAG
 GGCTGGAAGTACAGGGCCAGAGCCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001108045
Insert Size: 2409 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_001108045.1</u> , <u>NP_001101515.1</u>
RefSeq Size:	3604 bp
RefSeq ORF:	2409 bp
Locus ID:	314332
UniProt ID:	<u>D3ZNF5</u>
Cytogenetics:	6q31
Gene Summary:	Acts as an osmosensitive calcium-permeable cation channel (By similarity). Required for the functional integrity of the kidney glomerular filtration barrier (PubMed:30900988). [UniProtKB/Swiss-Prot Function]