

Product datasheet for **SC118094**

TMEM1 (TRAPPC10) (NM_003274) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM1 (TRAPPC10) (NM_003274) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM1
Synonyms:	EHOC-1; EHOC1; GT334; TMEM1; TRS30; TRS130
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118094 sequence for NM_003274 edited (data generated by NextGen Sequencing) <pre> ATGGACGCCTCTGAGGAGCCGNNNNNNNTGATCTACACCATGGAGAACAAGCCCATC GTCACCTGTGCTGGAGATCAGAATTTATTACCTCTGTTTATCCAACGCTCTCTCAGCAG CTTCCAAGAGAACCAATGGAATGGAGAAGGTCCTATGGCCGGGCTCCGAAGATGATTAC CTAGAGTCTAACTTTGTTCAATTCAAAGAGGAGCTGCTGCCAAAGAAGGAAACAAAGCT CTGCTCACGTTTCCCTTCTCCATATTTACTGGACAGAGTGCTGTGATACCGAAGTGAT AAAGCTACAGTAAAGATGACCTCACCAAGTGGCAGAATGTTCTGAAGGCTCATAGCTCT GTGGACTGGTTAATAGTGATAGTTGAAAATGATGCCAAGAAAAAACAACCAACATC CTTCCCCGAACCTCTATTGTGGACAAAATAAGAAATGATTTTGTAAACAGAGTGAC AGGTGTGTGTGCTCTCCGACCCCTTGAAGGACTCTTCTCGAACTCAGGAATCCTGGAAT GCCTTCTGACCAAACCTCAGGACATTGCTTCTTATGTCTTTACCAAAACCTAGGCAAG TTTGAGGATGACATGAGAACCTTGAGGGAGAAGAGGACTGAGCCAGGCTGGAGCTTTTGT GAATATTTTCATGGTTCAGGAGGAGCTTGCCTTTGTTTTCGAGATGCTGCAGCAGTTTCGAG GACGCCCTGGTGCACTACGACGAAGTGGACGCCCTCTTCTCTCAGTATGTGGTCAACTTC GGGGCCGGGGATGGTGCCAACTGGCTGACTTTTTTCTGCCAGCCAGTGAAGAGCTGGAAC GGATTGATCCTCCGAAAACCCATAGATATGGAGAAGCGGAATCGATCCAGAGGCGAGAA GCCACCTGTAGATCTGCGCAGTTACCTGTTCTCTCGCCAGTGACCTTGCTGCTCTTC CTGCAGAGGCCGTGGGAGGTGGCCAGCGCCCTAGAGCTGCTGCACAACTGCGTGCAG GAACTGAAGCTCTTAGAAGTCTCTGTCCACCTGGTGCTCTGGACTGCTGGGTGTTTCTG AGCTGTCTGGAGGTGTTGCAGAGGATAGAAGGCTGCTGTGACCGGCACAGATCGACTCA AACATTGCCACACTGTGGGGCTATGGAGCTATGCCACAGAAAAGTTAAAGTCTTGGGC TATCTATGTGGACTTGTGTCAGAGAAAGGACCTAACTCAGAAGATCTCAACAGGACAGTT GACCTTTTGGCAGGTTTGGGAGCTGAGCGACCAGAAACAGCCAACACAGCTCAGATCCT TATAAGAACTGAAAGAAGCATTATCGTCAGTGAAGCTTTTGAAAACTACTTAGAT TTGTCCCATGCCACCATGAAATGTATACAAGCATTGGGAGGATTCGATCTGCTAAGTTT GTTGAAAAGATCTGGCAGAGTTTACATGAGGAAAAAGGCTCCACAAAAGGCAGAAATC </pre>



[View online »](#)

TATCTTCAAGGAGCACTGAAAACTACCTGGCTGAGGGCTGGGCACTCCCCATCACACAC
 ACAAGGAAGCAGCTGGCCGAATGTCAAAAGCACCTTGGACAAATTGAAAACTACCTGCAG
 ACCAGCAGCCTCTTAGCCAGTGACCACCACCTCACTGAAGAGGAGCGCAAGCACTTCTGC
 CAGGAGATACTTGACTTTGCCAGCCAGCCGTGAGACAGCCAGGTGATAAGATAGTGCTA
 CCCATGCATTCTTTGCACAACCTGCGAGATCTCCATTTTGATCCCTCCAATGCCGTGGTC
 CACGTGGGCGGCGTTTTGTGCGTTGAGATAACCATGTACAGCCAGATGCCTGTGCCTGTT
 CACGTGGAGCAGATTGTGGTCAATGTCCACTTCAGCATTGAGAAAAACAGCTACCGGAAG
 ACTGCGGAGTGGCTTACCAAGCACAAAGACGTCCAATGGGATCATTAACTTTCCACCCGAG
 ACCGCACCTTTCCCTGTATCCCAAAACAGTTTGCCCGCGCTGGAGTTGTATGAAATGTTT
 GAGAGAAGCCCATCTGATAACTCCTTGAACACGACTGGGATTATCTGCAGAAACGTCCAC
 ATGCTCCTGAGAAGGCAGGAGAGCAGCTCCTCTCTAGAGATGCCCTCAGGGGTGGCTCTG
 GAGGAGGGTGCCACATGCTGAGGTGCAGCCACGTGACCTTGAACAGGGGCCAACCAG
 ATAACATTCAGGACTCAGGCCAAGGAACCTGGAACGTATACACTCAGGCAGCTGTGCGCC
 TCGGTGGGCTCCGTGTGGTTCTGCTCCTCACATCTACCCATTGTGCAGTACGACGTG
 TACTCACAGGAGCCCGAGCTGCAGTGGAGCCGCTGGCTGATAGCCTTCTGGCAGGCATT
 CCTCAGAGAGTCAAGTTCACTGTCACTACCGGCCATTATACGATAAAGAAATGGAGACAGC
 CTGCAGCTTAGCAATGCCGAAGCCATGCTCATCCTGTGCGAGGCGGAGAGCAGGGCCGTG
 GTCTACTCCAACACGAGAGAACAGTCTTCTGAGGCCGCGCTCCGGATTCACTCCTCCGAC
 AAGGTCACGAGCATCAGTCTGCCTGTTGCGCCTGCGTACCACGTGATCGAATTTGAACTG
 GAAGTTCTCTCTTTACCTTCAGCCCCAGCACTCGGAGGGGAGAGTGACATGCTGGGGATG
 GCAGAGCCCCACAGGAAGCATAAGGACAAACAGAGAACTGGCCGCTGCATGGTTACCACA
 GACCACAAAGTGTGATTGACTGCCCGTGGTCCATCTACTCCACAGTCATCGCACTGACC
 TTCAGCGTACCCTTCAGGACCACACAGCCTCCTGTCTCAGGAACACGAAATATGTT
 CAAGTTTGTGTCCAGAATTTGTGAGAAGTTGACTTTTCAGCTGTGAGATAGTTATCTTGTA
 GATACCGGTGATAGTACCGACCTGCAACTAGTACCACTGAACACGCAGTCCCAGCAGCCC
 ATCTACAGCAAGCAGTCGGTGTTCTTCTGCTGGGAACTCAAGTGGACAGAAGAGCCTCCC
 CTTTCTCTGCATTGCCGGTTCTCTGTTGGATTTTCCCCAGCTTCTGAGGAACAGCTGTCT
 ATCTCCTTAAAGCCGTATACTTATGAATTTAAAGTGGAAAATTTTTTACATTATACAAC
 GTGAAGGCTGAGATCTTTCCCCCTTCGGGAATGGAGTATTGCAGAACAGGCTCCCTCTGC
 TCCCTGGAGGTTTTGATCACGAGGCTCTCAGACCTCTTGAGGTGGATAAAGATGAAGCA
 CTGACTGAATCTGATGAGCATTTTTCGACAAAGCTTATGTATGAAGTTGTGACAAACAGT
 AGCAACTGGGCAGTGTGTGGAAGGCTGCGGTGTCTCCATGCCAGTGGCTGCTCGG
 GCCACTCACAGGGTCCACATGGAAGTGATGCCGCTCTTCGCCGGGTATCTCCCCCTGCC
 GACGTACAGGCTGTTCAAGTACCTCCCCCATCATTCTGCACACTCCTCCCACTGGACGCT
 GACAGCTGGATAGAAAACGACAGCCTGTGAGTAGACAAGCACGGGGACGACCAGCCGGAC
 AGCAGCAGCCTCAAGAGCAGGGGAGCGTGCATTGCGCTGCAGCAGCGAGCACAAAGGC
 CTACCCATGCCCCGGCTGCAGGCACTGCCGGCCGGCCAGGTCTTCAACTCCAGCTCGGGC
 ACACAAGTCTGGTCATCCCCAGCCAAGATGACCACGTCTGGAAGTCAGTGTAACATGA

Clone variation with respect to NM_003274.4

23 t=>n;24 g=>n;25 c=>n;26 c=>n;27 g=>n;28 c=>n;29 c=>n;30 g=>n;31 g=>n;2176 g=>a;2517
 t=>c;3381 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003274 unedited
 ATTAGATTTGTAAACGACTTATATAGGCGGCCGAGACATTCGCACGAGGCAGCTGCGGCG
 CAACCGGCTCCGGAGCTGCCTGGCGCGGCCGGCGGCCGCGCTCAGGCTCGGGCTC
 CGGCTGGGCCCGCGCGGCTCGGGCTGCCATGGGCGCGGGGGCGGGCCGGTGC
 GCCGACGCCCCATGGACGCTCTGAGGAGCCGTTGCCCGCGGTGATCTACACCATGGAGA
 ACAAGCCCATCGTCACCTGTGCTGGAGATCAGAATTTATTACCTCTGTTTATCCAACGC
 TCTCTCAGCAGCTTCCAAGAGAACCAATGGAATGGAGAAGTCCATGGCCGGGCTCCGA
 AGATGATTCACCTAGAGTCTAACTTTGTTCAATTCAAAGAGGAGCTGCTGCCAAAGAAG
 GAAACAAAGCTCTGCTCACGTTTCCCTTCTCCATATTTACTGGACAGAGTGCTGTGATA
 CCGAAGTGTATAAAGCTACAGTAAAAGATGACCTACCAAGTGGCAGAATGTTCTGAAGG
 CTCATAGCTCTGTGGACTGGTTAATAGTGATAGTTGAAATGATGCCAAGAAAAAACA
 AAACCAACATCCTTCCCGAACCTCTATTGTGGACAAAATAAGANATGATTTTTGTAATA
 AACAGAGTGACAGGTGTGTTGTGCTCTCCGACCCCTTGAAGGACTCTTCTCGAACTCAGG
 AATCCTGGAATGCCTTCTGACCAAACTCANGACATTGCTTCTTATGTCTTTTACAAAA
 CCTAGGCAAGTTTNGAGATGACATGAGAACCTTGAGGGAGAAAGAGACTGAGCCAGCTG
 GAGCTTTTGTGATATTTATGGTTTCAGGGAGAGCTTGCCTTTGNTTTCGAGATGCTGCAN
 CAGTTCGAGGACGCCCTGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003274 unedited
 NATCTATGGACCGACGGCCGAATCTAGGATTTTTTTTTTTTTTTTATTACAAAAATT
 ATAACCTATTTTTATTTTCCATTTGACAGTATTTACATGTTCCACAGATATTTGTAACG
 GCTGCAAAATCCTTGCTTTTCAGATACACATTGCATATCTGGCTTCACAATTATTTAACA
 TCTCTTTATCAACAAAACAGCTTGTCTCAACACATACACCTTACTTTAGATAAAAAACA
 ATAAACATCCAATTACAGTTACTCTTTTAGGACTTTTATGATGAACATTAAGAAAAAAT
 GACAATTTTGGGTGACATTCTTCTTTGTCTTAAAGAGGCAGAAGCATTGTAACATAG
 TTTGCAAAAGATCTTTTGGGTAATTAGGGGAAAAAACTGATAAATTTGATTTTCATTTT
 ATTTCCAGGCAATTAAGCGCCGTAACATTTTAAATTTCCCTTCACTTTCTTCTCTAA
 ATATATATGTAGTTGGATAATTTTCATCTGCGAGTAGAACCCAGATACACGAAAAATCAAAC
 AGTAATAAATGAAACATTCCTCTTCCAGAAGGTAAGAGAGAAAGCTACATTACACTGGG
 GAAGGCTCCCAGNCTGACGACACGGATTACAGTCTCTTCTGACGGAATCAAATCTCCCA
 TCTCTTTATTCACAGGACTTGGTAGAAAAGCAGGGCATTGCGCAATTTTACCATAAAAA
 CCTATTTTAGAAACCTAACCTATCTTAGATCTGAAGTTCTAATTTGCTAACTATTTGGA
 CCAAGTTTGTAACTGCACATGAAGAAAAATAACTTCTGGAAAGTTAATTACCATTTAT
 TTATCTTCTTTAACACCCCTCACGTTCTCACCACGAAAAAACAGGCGGAAAAATACATTC
 CTCCACCTTTTNTTATTGAAGGAGCTCAAAACAACCCGAGAATACCGAAAGGACGCT
 GGGCTATTTCCCGTCCGGCGCCTCTT

Restriction Sites:

NotI-NotI

ACCN:

NM_003274

Insert Size:

6220 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:	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_003274.3, NP_003265.3</u>
RefSeq Size:	6982 bp
RefSeq ORF:	3780 bp
Locus ID:	7109
UniProt ID:	<u>P48553</u>
Cytogenetics:	21q22.3
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene is a transmembrane protein found in the cis-Golgi complex. The encoded protein is part of the multisubunit transport protein particle (TRAPP) complex and may be involved in vesicular transport from the endoplasmic reticulum to the Golgi. Mutations in this gene could be responsible for the Unverricht-Lundborg type of progressive myoclonus epilepsy, or for autoimmune polyglandular disease type 1. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.