

Product datasheet for **SC112278**

TMEM109 (NM_024092) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM109 (NM_024092) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM109
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112278 sequence for NM_024092 edited (data generated by NextGen Sequencing) ATGGCAGCCTCCAGCATCAGTTCACCATGGGAAAGCATGTGTTCAAAGCCATTCTGATG GTCCTAGTGGCCCTTATCCTCCTCCACTCAGCATTGGCCAGTCCCGTCGAGACTTTGCA CCACCAGGCCAACAGAAGAGAGAAGCCCCAGTTGATGTCTTGACCCAGATAGGTCGATCT GTGCGAGGGACACTGGATGCCTGGATTGGGCCAGAGACCATGCACCTGGTGTGAGAGTCT TCGTCCCAAGTGTGTGGGCCATCTCATCAGCCATTTCTGTGGCCTTCTTTGCTCTGTCT GGGATCGCCGCACAGCTGCTGAATGCCTTGGGACTAGCTGGTATTACCTCGCCAGGGC CTGAAGCTCAGCCCTGGCCAGGTCCAGACCTTCTGCTGTGGGGAGCAGGGGCCCTGGTC GTCTACTGGCTGCTGTCTCTGCTCCTCGGCTTGGTCTTGGCCTTGCTGGGGCGGATCCTG TGGGGCCTGAAGCTTGTATCTTCTGGCCGGCTTCGTGGCCCTGATGAGGTCGGTGCC GACCCCTTCCACCCGGCCCTGCTACTCCTGGCCTTGCTGATCCTCTACGCCCTGCTGAGC CGGCTCACTGGCTCCCGAGCCTCTGGGGCCAACTCGAGGCCAAGGTGCGAGGGCTGGAA CGCCAGGTGGAGGAGCTGCGCTGGCGCCAGAGGCGAGCGGCCAAGGGGGCCCGCAGTGTG GAGGAGGAGTGA Clone variation with respect to NM_024092.2 540 t->c



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_024092 unedited</p> <pre> NGGTTCCGATTTGTATACGACTCATATAGGGCGGCCGCGATTCCGGCACCGAGGAAAAAG ACCCAGTCATGGCAGCCTCCAGCATCAGTTCACCATGGNGGAAAGCATGTGTTCAAAGCC ATTCTGATGGTCTAGTGGCCCTTATCCTCCTCCACTCAGCATTGGCCCAGTCCCCTCGA GACTTTGCACCACCAGGCCAACAGAAGAGAGAAGCCCCAGTTGATGTCTTGACCCAGATA GGTCGATCTGTGCGAGGGACACTGGATGCCTGGATTGGCCAGAGACCATGCACCTGGTG TCAGAGTCTTCGTCCCAAGTGTGTGGCCATCTCATCAGCCATTTCTGTGGCCTTCTTT GCTGTGCTGGGATCGCCGCACAGCTGCTGAATGCCTTGGGACTAGCTGGTGATTACCTC GCCAGGGCCTGAAGCTCAGCCCTGGCCAGGTCCAGACCTTCTGCTGTGGGGAGCAGGG GCCCTGGTCGTCTACTGGCTGCTGTCTCTGCTCCTCGGCTTGGTCTTGGCCTTGCTGGG CGGATCCTGTGGGGCCTGAAGCTTGTCTCTTCTGGCCGGCTTCGTGGCCCTGATGAGG TCGGTGCCCGACCCTTCCACCCGGGCCCTGCTACTCCTGGCCTTGTGATCCTCTACGCC CTGCTGAGCCGGCTCACTGGCTCCCGAGCCTCTGGGGCCAACTCGAGGCCAAAGTGCGA GGGCTGGAACGCCAGGTGGAGGAGCTGCGCTGGCGCCAGAAGCGAGCGGCCAAGNGGCC CGCANTGTGGNNAGAGAGTGAGCCNGATGCCACACACGNCAGTGTACACCAAGAGCTG AGCTGCTTCGGGCCATGCAGCCCTCTGCAGCCCTGCCCTTTCTGCTGTCTCTGAAC TTCAGACATGA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_024092 unedited</p> <pre> CTATGAACCGACGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTGGAGTAAATA CATTTTATTCAGAAACAAGATAATAAAATAGCGTGCACCTTATTTAAAACCAACCAAGCAC TGATAAAAAATATATCACTGCAGCTGTGATTCCACATCAAACCTGAACAGTAAGAATT GGGCATTTATTCTTACATCATGTGCCAAGCCTGGCAGAGAAGGACATCCACCTCCACTA GAGCCTCAAAGGAAAAGTGGCCCTAACACCAAGACAGGGTACCCTGGTGGAGAGGGGG AGCTGGCAGCTCACCCCTGCTCTCTGCAGACCAGTGAAGGGAAAAGGAGCTGCCTGTGTT CTCCCGGGCTGCCGGGTGGGCACTGGTCAGCAACTCCTTCTCGGTTTCAGGTTGTGGAG CGATGGGGAGAGAAGTGCATGCAGTTGTGCAGACAAGGAGGGGGTCCCTCCCTCCTTT CAGGGTCTCTGAAACCCACAGGGCATATAATGCCAGCAAGTCCCCTTGCAGGCAC ATGCTACAAAGCAGCAGCCATCTTTGCTTTGGCTGATGGGGAATCAAGATTCTGAGAG TGACTGCTCTTTCTTGAACAAAGCAGCCACAGAACTTTCTCATAACAGTATGGCAGC AGGCAAGCAGAAAGCCCTGCTGGCTCGGATAAGGCACTCGAAAGAGACCCAGGTACATCC TTCTCCCTTGACGCCCCACAGGCCTCAAGGGACCCCTTGTTCACCCACCTTAATCTTA CAGCCCCCTTATCCCTGCCCTCCCTTCTGCGGCCATCCCCCGAGACACGGACCGTT CCTCTAACGACCATGGTTCGCGCCGGTACACAAGGCACGCACGCCGTGGTCTATACCCA GGTATCTGCGCACCCGTTCCACGCGTTTACCCATCCGGCTCCCGCACCCCTTCTCTTG CGCACCCCGTTCTATTGCCGCCNTTATCCCTGCCCCCGGCACCCGATCCA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_024092
Insert Size:	2250 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:	NM_024092.1 , NP_076997.1
RefSeq Size:	2097 bp
RefSeq ORF:	732 bp
Locus ID:	79073
UniProt ID:	Q9BVC6
Cytogenetics:	11q12.2
Protein Families:	Transmembrane
Gene Summary:	May mediate cellular response to DNA damage by protecting against ultraviolet C-induced cell death (PubMed:23542032). Can form voltage-gated calcium and potassium channels in vitro (By similarity).[UniProtKB/Swiss-Prot Function]