

Product datasheet for **SC322197**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322197
 GGCGCGGGTTTGGTGGCGCGTTTCAGCGAAGTCGCACGTGAAGGATAGCAGTGGCCTGAG
 AAAGACCCAGTCATGGCAGCCTCCAGCATCAGTTCACCATGGGGAAAGCATGTGTTCAA
 GCCATTCTGATGGTCTAGTGGCCCTTATCCTCCTCCACTCAGCATTGGCCCAGTCCCCT
 CGAGACTTTGCACCACCAGGCCAACAGAAGAGAGAAGCCCCAGTTGATGTCTTGACCCAG
 ATAGTTCGATCTGTGCGAGGGACACTGGATGCCTGGATTGGGCCAGAGACCATGCACCTG
 GTGTCAGAGTCTTCGTCCCAAGTGTGGGCCATCTCATCAGCCATTTCTGTGGCCTTC
 TTTGCTGTCTGGGATCGCCGCACAGCTGCTGAATGCCTGGGACTAGCTGGTGATTAC
 CTCGCCAGGGCCTGAAGCTCAGCCCTGGCCAGGTCCAGACCTTCTGCTGTGGGGAGCA
 GGGGCCCTGGTCGCTACTGGCTGCTGTCTGCTCCTCGGCTTGGTCTTGGCCTTGCTG
 GGGCGGATCCTGTGGGCCTGAAGCTTGTCTATCTTCTGGCCGGCTTCGTGGCCCTGATG
 AGGTGCGTGCCTGACCCTTCCACCCGGGCCCTGCTACTCCTGGCCTTGTGATCCTCTAC
 GCCCTGCTGAGCCGGCTCACTGGCTCCCGAGCCTCTGGGGCCAACTCGAGGCCAAGGTG
 CGAGGGCTGGAACGCCAGGTGGAGGAGCTGCGCTGGCGCCAGAGGCGAGCGGCCAAGGGG
 GCCCGCAGTGTGGAGGAGGAGTGAAGCCGATGCCCCACACCCGCCAGTGCATACCAA
 GAGCTGAGCTGCTTCGGGGCCATGCAGCCCTCCTGCCAGCCCCCTGCCCTTTTCTTGCC
 TGCTCTGAACCTTCAGAACATTGATCCTTGCCGAGCCCCACTAGCCAAGAGAAACAGA
 GAAAGACCATTCCTCCTGTCTTGGCGCCCTGTCTTCTGAGGTTCTCTGTCTGGGG
 TTGGCTCTCTAACCTTTCTCTGCTCCCAGCCTGCCTCACCAGGGAAGGTTGGAGGGGC
 CTCCTCTGGCTTCTGCATCTGCGCCAGCAAACATCACTGCCGTTGGTCTCTCATGACTT
 AACTGGCTTCCCTCTGCTGCTGCCTTGGCTTCTCCTAATGCTCGTGTCTCCTGTCTCT
 TGAAGTTGCTCCTTGGCCAAATCTCCAGCTCCCTTCTGTTTTCTCATCCTCTACCC
 TGTACTCCACCAAACCATGGTCTTTAAGGCACGCTCCTGTCTCCTCATTGCCAGCA
 GTAGGGAGGGGCAGGGGTAAAGGGACCTGAGGATAAAGGGTGGGAAACAGGGTCCCTG
 AGGCCTGTGGGGCTGCAGGGGAGGAGGATGTACCTTGTGTCTCTTTCAAGTGCCTTAAT
 CCGAGCCAGCAGGGCCTTCTGCTGCTGCTGCCATACTGTATGTAGGAAAGTGTCTGT
 GGCTGCTTTGTGCAAAAGAGCAGTCACTCTCAGAATCTTGATTCCTCAGCCAAAGC
 AAAAGATGGCTGCTGCTTTGTAGGCATGTGCTGCAAGTGGGACCTTGTGGGCATTATA
 TGCCCTGTGGGGTTTCAGAGACCCTGAAAGAGGAGGGAGGACCCGCCTCCTGTCTGCA
 CAACTGCATGCACTTCTCTCCCATCGCTCCACAACCTGAAACCGAGAAGGAGTTGTGA
 CCAGTGCCACCCCGGCAGCCCGGAGGAACACAGGCAGCTCCTTCCCTTACAGTGGTC
 TGCAAGAGAGCAGGGTGAAGCTGCCAGCTGCCCTTCCACCAGGGTACCCTGTCTGGTGG
 TTAGGGGCCACTTTCTTTGAGGCTCTAGTGGAGGTGGATGTCCTTCTGCCAGGCTT
 GGCACATGATGTGAAGAATAAATGCCCAATTCTTACTGTTTCAAGTTTGTGGAATCAC
 AGCTGCAGTGATATATATTTTTATCAGTGCTTGGTTGGTTTTAAATAAAGTGCACGCTA
 TTTTATTATCTTGTCTGAATAAAATGTATTTACTCCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_024092

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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]