

Product datasheet for **SC324485**

TMEM59 (NM_004872) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM59 (NM_004872) Human Untagged Clone
Tag: Tag Free
Symbol: TMEM59
Synonyms: C1orf8; DCF1; HSPC001; PRO195; UNQ169
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004872.3
GGGGAGAGGGGAACAAGATGGCGGCCGAAGGGGAGCCTCTGGGTGAGGACCCAACTGG
GGCTCCC GCCGCTGCTGCTGCTGACCATGGCCTTGCCCGAGGTTCCGGGACCGCTTCGG
CTGAAGCATTGACTCGGTCTTGGGTGATACGGCGTCTTGCCACCGGGCCTGTCAGTTGA
CCTACCCCTTGACACCTACCCTAAGGAAGAGGAGTTGTACGCATGTCAGAGAGTTGCA
GGCTGTTTTCAATTTGTGAGTTTGTGGATGATGGAATTGACTTAAATCGAACTAAATTGG
AATGTGAATCTGCATGTACAGAAGCATATTCCTCAATCTGATGAGCAATATGCTTGCCATC
TTGGTTGCCAGAATCAGCTGCCATTCGCTGAACTGAGACAAGAACAACCTATGTCCTGA
TGCCAAAAATGCACCTACTCTTCTCTAACTCTGGTGAGGTCATTCTGGAGTGACATGA
TGGACTCCGCACAGAGCTTCATAACCTCTTCATGGACTTTTTATCTTCAAGCCGATGACG
GAAAAATAGTTATATTCCAGTCTAAGCCAGAAATCCAGTACGCACCACATTTGGAGCAGG
AGCCTACAAATTTGAGAGAATCATCTCTAAGCAAATGTCTCAGATCTGCAAATGAGAA
ATTCACAAGCGCACAGGAATTTTCTTGAAGATGGAGAAAGTGATGGCTTTTTAAGATGCC
TCTCTCTAACTCTGGGTGGATTTTAACTACAACCTTTGTCTCTCGGTGATGGTATTGC
TTTGGATTTGTTGTGCAACTGTTGCTACAGCTGTGGAGCAGTATGTTCCCTCTGAGAAGC
TGAGTATCTATGGTGACTTGGAGTTTATGAATGAACAAAAGCTAAACAGATATCCAGCTT
CTTCTCTGTGGTTGTTAGATCTAAAATGAAGATCATGAAGAAGCAGGGCCTCTACCTA
CAAAAGTGAATCTTGCTCATTCTGAAATTTAAGCATTTTTCTTTTAAAAGACAAGTGTA
TAGACATCTAAAATCCACTCCTCATAGAGCTTTTAAAATGGTTTCATTGGATATAGGCC
TTAAGAAATCACTATAAAATGCAAATAAAGTTACTCAAATCTGTGAAGACTGTATTTGCT
ATAACTTTATTGGTATTGTTTTGTAGTAAATTTAAGAGGTGGATGTTTGGGATTGTATTA
TTATTTTACTAATATCTGTAGCTATTTTGTTTTTGCTTTGGTTATTGTTTTTTCCCTT
TTCTTAGCTATGAGCTGATCATTGCTCCTTCTCACCTCCTGCCATGATACTGTCAGTTAC
CTTAGTTAAACAAGCTGAATATTTAGTAGAAATGATGCTTCTGCTCAGGAATGGCCACAA
ATCTGTAATTTGAAATTTAGCAGGAAATGACCTTTAATGACACTACATTTTCAGGAACTG
AAATCATTAATAATTTTATTTGAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_004872
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_004872.3 , NP_004863.2
RefSeq Size:	1709 bp
RefSeq ORF:	972 bp
Locus ID:	9528
UniProt ID:	Q9BXS4
Cytogenetics:	1p32.3
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a protein shown to regulate autophagy in response to bacterial infection. This protein may also regulate the retention of amyloid precursor protein (APP) in the Golgi apparatus through its control of APP glycosylation. Overexpression of this protein has been found to promote apoptosis in a glioma cell line. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. The encoded isoform (2) is one amino acid shorter and includes a single amino acid substitution compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>