

Product datasheet for **SC322160**

TMEM33 (NM_018126) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM33 (NM_018126) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM33
Synonyms:	1600019D15Rik; Pom33; SHINC-3; SHINC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322160
 GCCGGTACCCGGGTCCTGGCCCCAGCGCTGACGTTTTCTCTCCCCTTTCTCTCTCTTCG
 CGGTTGCGGCGTGCAGACGCTAGTGTGAGCCCCATGGCAGATACGACCCCGAACGGCC
 CCAAGGGGCGGCGCTGTGCAATTCATGATGACCAATAAACTGGACACGGCAATGTGGC
 TTTCTCGTTGTTACAGTTTACTGCTCTGCTCTGTTTGTCTGCCTCTTCTGGGTTGC
 ATGAAGCAGCAAGCTTTTACCAACGTGCTTTGCTGGCAAATGCTTTACCAGTGCTCTGA
 GGCTGCATCAAAGATTACCACACTTCCAGTTAAGCAGAGCATTCTGGCCAGGCTTTGT
 TAGAGGACAGCTGCCACTACCTGTTGTATTCACTCATCTTTGTAATTCCTATCCAGTTA
 CAATGAGTATCTCCAGTCTTGTATTCTCTTTGCTTCATGCTGCCACATATACGAAAA
 AGGTCCTTGACGCAAGGGGCTCAAATAGTTTACCTCTGCTGAGATCTGTCTTGGACAAAT
 TAAGTGCTAATCAACAAAATATTCTGAAATTCATTGCTTGCAATGAAATATTCTGATGC
 CTGCGACAGTTTTATGCTTTTTAGTGGTCAAGGAAGTTTGTCTCAACCTTTTATATACT
 ATAGATTTCTTACCCTTCGATATTCGTCTCGAAGAAACCCATATTGTCGGACCTATTTA
 ATGAACTGAGGATTGTTGTTGAACACATAATAATGAAACCTGCTTGCCCACTGTTTGTGA
 GAAGACTTTGCTCCAGAGCATTGCCTTTATAAGCAGATTGGCACCAACAGTTCCATAGT
 TTAACATCTAGTTAAGCTACAAATATAGTATAAACATCATTAGCAGCTGGTACTTCTGCT
 AGGGGTTGTAATTCAGGTGTTACACTGACCTCAGTCCAATTTACATAATTTACATAAA
 TGCATCTCGGTGAAAAAATAATCATTTTCTTGGCATGTTAAATCAAGCTTAAAAAGTTTT
 GAGAAAAATTTTACTGCGCTGTTGCTAATGGTTAAAGAAGTCTGTATCTAGTGATAAAT
 ATACCAGTTTTTTAAAAAGATGCTGTTGTGCCTATATCATGAAGTACATTAATTTCTCA
 TGTAAAAAAATAGCTCTAAAATTTGTTTCAACCTAATTGGTAACCTGAGTTTATATCTG
 GCATGAATTCATTATGGTGATACACATATGTGAATTCAGTACATTTTGGACAGTATTCT
 ACCATTCAGTAATTTGGTTAATGATTTTAACTTCTCAGTGTATTTAATTTCAAATTG
 TTTTTTAATGGTTTTATGCTGCTTTGTTAGGACAGATGTGTTTTGAATGTACCATTAT
 AAGAAGAATTCTATGTATCTTAACTATGATCTTCTAAAATTTTATTTCCGTAAGTAAAA
 AAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_018126
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_018126.1 , NP_060596.1
RefSeq Size:	2684 bp
RefSeq ORF:	744 bp
Locus ID:	55161
UniProt ID:	P57088
Cytogenetics:	4p13
Domains:	UPF0121
Protein Families:	Transmembrane
Gene Summary:	Acts as a regulator of the tubular endoplasmic reticulum (ER) network. Suppresses the RTN3/4-induced formation of the ER tubules (PubMed:25612671). Positively regulates PERK-mediated and IRE1-mediated unfolded protein response signaling (PubMed:26268696). [UniProtKB/Swiss-Prot Function]