

Product datasheet for **MC206303**

Tmem33 (BC016570) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem33 (BC016570) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem33
Synonyms:	1110006G02Rik; 1600019D15Rik; 2410089A21Rik; 2700052H22Rik; 5430406L04Rik; AA388285; AI314185; AI426615; db83
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC016570
 TGCACGCGTCCGGGAGGGCCCGTTCTCCGGGGTTTGGGGTTCCTGCCGGCTCTGAAAGCAGGTCGGAG
 GGTTCGTCGCCCCGCACTGACGTTTTGCTCTTTGCTGTTGCAGCGTCCCAGGCTCCCAGTGTCTCCC
 ATGGCGGATACGACCCCGAACGGCCCCAAGGGGCGGGCGCTGTGCAATTCATGATGACCAATAAATTGG
 ACACAGCAATGTGGCTTCTCGCTGTTACAGTTTATTGCTCCGCTCTGTTCTGCTCTTCTTGG
 GTTGATGAAGCAGCGAGCTTTACCAGCGTCTTTGCTGGCCAATGCTCTGACCAGCGCTCTGAGGCTG
 CATCAGAGATTACCTCACTTCCAGTTGAGCAGAGCGTTCCCTGGCTCAGGCCTGTTAGAGGACAGCTGCC
 ACTACCTGCTGTATTCACTCATCTTCGTCAACTCCTACCCTGTCACAATGAGTATTTTTCCAGTCTGT
 ATTTTCTTTGCTCCATGCTGCCACATACACTAAGAAGGCTCTGGACGCAAAGGGTCAAATAGTTTACCT
 CTGTTGAGATCATTCTTGATAAATTAAGTACTAACCAACAAAATATTCTGAAATTCATCGCTTGAATG
 AAATATTCTTGATGCCTGCTACAGTTTTATGCTCTTTAGTGGCCAAGGAAGTTTCTCCAGCCTTTTAT
 ATATTATAGATTTCTACTCTTCGATATTCCTCTAGAAGAAATCCATATTGTCGGAACCTGTTAATGAA
 CTGAGGATTGGTTGAACACATTATTATGAAGCCCTCCTGCCACTGTTGTGAGAAGACTATGTCTCC
 AGAGCATCGCCTTATCAGCAGACTGGCACCAACAGTTGCGTAGTTTAAACATCTAGTTAAGCTGTGTTA
 GAAGATTAGCATTATTAGCTGGTAATTCTGATAGGGGTCCAAAATTACAGGTCTAACACTGACCTCAGTC
 CAATTTACATGATTTACATAAATGCATCTCAGTGCAAAAATAAATTTTCTGGCATGTTAAATCAAGC
 CTTTAACTTTCTGAGAAAATTTACTGTACATTACTGTTTGTGGTTATGTAAGTTTGTATTTAGTGAT
 AAATGTTACTAAATGTTTTAGATGCTGCTGTGCCTACATCATGAAATACATTTATTTCTTTAAAAAGA
 ATTCTGAAATTTGTTTTACCCTAACTATTAACCCACGTTATGTCTGTTGTGAGTTATGGTACTAGATGAG
 TTGAGTATGTTTGGAGACAGTGGTTTTCCATCTGTAAGTTGGTTGAGATTTTAGCAGAAGCACACCTC
 CTGCAGTTTCAGTTCACACGCTACTATGCTGCTTCTAGGGCAGGTGTGTTAGCCTGCACCATAACAGA
 GAAGTCTGTCTGCGTCTTATGACCTGTGAAGCTGTTGTTCCCATAGTGCATCTGTGGCTTTGAATGATG
 TTGAAAAATGGATTGCCGTACACCTATTTTGAATTAGATCTTTGGGGCCATGTAATCATTACTGTAGA
 AGACAGTAGTGACACAGAGACCTACTGACTAACTTTTATAAATGTCAACCAGTAGATTATCAGTGTTCCT
 ATAGTTTGTAGGATTACATAGTTCCAGAATCTTGACTTTAGTTTTCTTGGTTTCTTAGGCTTGAATTTT
 CTAGCCATGTGCAGCAGCAGTTCAGATGCCTTTGAAAGGATATGATTGAAGACAGCATGTGATACACTTG
 TATGTTCTGAAATAATGAAGAATATTCTGTAGATGCATGTTTACCAGCAAATGTGGTTCAGAGGGTTTA
 ATGGAAAGGGCTATGGTAAGGCAACTCATGGGAATGGGCTGGGGAGTAGTTGAGGGCAGCGATGGGT
 GTTTCAGCCTGGTAACGCATAGATGAGTTGGGGGATTGGATGTATAATGCATCTGTGATTGAGGCTGTG
 TAATATGTTCAATCTTTTCACTCAATTCTATTCTTTATAAAAGGCATTCTGATCCTTACTACTACTG
 TTGCATGATTGGAAGTACTTAAACACTGCACAAGTTTAAATATAGAGTAATGGAATGTGGCTTTTTTTTT
 AATACCCAGTTCTATCTGCATGTAATTTGGATTTTCAAATACATTCATTAGTAACCTAAAAACATCAGTT
 TTCTTTTTGTTTAAAGTACTAATCTATAGAAAGGTGATAGTCTTGGGGTAGATTTCCAGAAAATACTACT
 TGATAGCTTAGCTTAAACCAGCTACTTTTATATTTTGTAAATTTTATCCACCAAGTTGGAGAAGCAACC
 TCATAATATCCAGTTGATTTTTTATGTGTGTGCCTAGCCTCCTTATCACTATGTTTTAAGAATACAAC
 TTGTAGAGCAATAAAGTGACTATCTTGTATGTAAACATACTGATTTCTAATGATGTTTTAAACATTGT
 CTTGAATGACATCAAGTTCTGGCAGCTAAAGGCATATTTATTTTGAATGTGTTTTCTCCTACATTTTCC
 CCCCTAATCTTGGAACATTTTAGATTTATAAGAACTTCAAAAATAGTGCTGAGAGTGCCTATGCACCTCT
 TACTTGTCTATTTTATATTAGCGTCTTCTTTTAAATGGTAGGACATTTATGCAAAGTAAAATACTAACT
 TTGGATCAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC016570

Insert Size: 744 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:	<u>BC016570</u> , <u>AAH16570</u>
RefSeq Size:	2682 bp
RefSeq ORF:	744 bp
Locus ID:	67878
Cytogenetics:	5 C3.1
Gene Summary:	Acts as a regulator of the tubular endoplasmic reticulum (ER) network. Suppresses the RTN3/4-induced formation of the ER tubules. Positively regulates PERK-mediated and IRE1-mediated unfolded protein response signaling.[UniProtKB/Swiss-Prot Function]