

Product datasheet for **MC200647**

Tmco1 (BC011457) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Tmco1
Synonyms:	1190006A08Rik; 4930403O06Rik; AA109065; AU022572; ESTM39
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC011457 CCCGGTCTCTGGCTCTGGAGTGCTTTCCCCCGCGGAGGGTGGGAGCGGGGACAGACGGGCGAGAT GAGCACCATGTTTGCAGACACGCTGCTCATCGTCTTTATCTCCGTGTGCACCGCGCTGCTCGCCGAGGGC ATAACCTGGGTCTGGTTTACAGGACAGACAAATACAAGAGATTGAAGGCAGAAGTGAAAAACAAAGTA AAAAATTAGAGAAGAAGAAGGAACTATAACAGAGTCAGCTGGTCGACAACAGAAGAAGATAGAGAG ACAAGAAGAGAAAATTAAGAACAACAATAGAGACCTGTCAATGGTACGGATGAAATCCATGTTGCGGATT GGCTTTTGTTTTACTGCCTTAATGGGAATGTTTAATTCCATATTTGATGGTAGAGTGGTGGCAAAGCTCC CCTTCACTCCTCTGTCTTACATCCAAGGACTATCTCATCGGAACCTGCTGGGAGATGACACCACGGACTG CTCCTTCATCTTCTGTATATCCTCTGTACCATGTCAATTCGACAAAACATCCAGAAGATTCTTGGCCTC GCCCCTTACGAGCTGCCACCAAGCAGGCTGGTGGATTCTTGGCCACCACCTCCGTCTGGGAAGTTTT CCTGAAGGAAAGCAGAATTCTGAATTTCTGTCTACTTTTTAGACATTACATCAGACTTACAGAGCAC CTGGCCACATTCTAGGTTTGTGTTATTTCTCAGCTATGGATATGATCAAATGAGAACACTGCTTAACTAA TGGGATAGTGCTATGGTCACGGATGGCTTCTTGTAGTAATAAGTGCACCTCACTGGTTACATTTGGATGGCT TATGTAACCACAAACATCATCTTTCTGTCTCACTTGAGTATTTCACTGTATGTCCATATACACAGAAG CAGACTGTCCATGAACATTAGGAGAAAAATAGTTTATGTAACAACCTCACTGTAATTAGTTGTTGTGTTT TTTAAAAAGCCAAATATGTCACTTTGTGTTGCGACAATGAGCCAAATTTTAGATGTTTCAGTTAGAGAAA TGTTTGATTTTTTGCATATTAAGAGATATTTCTGTAATCTGAACATAAGGATAAGCATTGGCCCAA AAAGCTAAAAATAAGTTTTGTCATGTTCTTTACCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAA
Restriction Sites:	RsrII-NotI
ACCN:	BC011457
Insert Size:	567 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC011457</u> , <u>AAH11457</u>
RefSeq Size:	1194 bp
RefSeq ORF:	567 bp
Locus ID:	68944
Cytogenetics:	1 H2.3
Gene Summary:	Calcium-selective channel required to prevent calcium stores from overfilling, thereby playing a key role in calcium homeostasis (PubMed:27212239). In response to endoplasmic reticulum overloading, assembles into a homotetramer, forming a functional calcium-selective channel, regulating the calcium content in endoplasmic reticulum store (PubMed:27212239). [UniProtKB/Swiss-Prot Function]