

Product datasheet for **MC202968**

Tmco1 (NM_001039483) 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: >BC019761 sequence for NM_001039483
 CAAAGTTGTAGCGCTCCTCGAGGGTCGGTCCCGCCACGTCTCTCCCGGTCTCTGGCTCTGGAGTGCT
 TTCCCCCGCGGAGGGTGGGAGCGCGGGGACAGACGGGCGAGATGAGCACCATGTTTGCAGACACGCTGC
 TCATCGTCTTTATCTCCGTGTGCACCGCGCTGCTCGCCGAGGGCATAACCTGGGTCCTGGTTTACAGGAC
 AGACAAATACAAGAGATTGAAGGCAGAAGTGGAACAAAGTAAAAAATTAGAGAAGAAGAAGGAACT
 ATAACAGAGTCAGCTGGTCGACAACAGAAGAAGATAGAGAGACAAGAAGAGAAATTAAGAACAACA
 ATAGAGACCTGTCAATGGTACGGATGAAATCCATGTTTCGCGATTGGCTTTTGTCTTACTGCCTTAATGGG
 AATGTTTAATTCCATATTTGATGGTAGAGTGGTGGCAAAGCTCCCTTCACTCCTCTGTCTTACATCCAA
 GGACTATCTCATCGGAACCTGCTGGGAGATGACACCACGGACTGCTCCTTCATCTTCTGTATATCCTCT
 GTACCATGTCAATTCGACAAAACATCCAGAAGATTCTTGGCCTCGCCCTTCACGAGCTGCCACCAAGCA
 GGCTGGTGGATTTCTTGGCCCAACCTCCGTCTGGGAAGTTTCTCTGAAGGAAAGCAGAATTCTGAATT
 TCCTGTCATACTTTTAGACATTACATCAGACTTACAGAGCACCTGGCCACATTCTAGGTTTGTGTTAT
 TTCTCAGCTATGGATATGATCAATGAGAACACTGCTTAACATAATGGGATAGTGCTATGGTCACGGATGG
 CTTCTTTAGTAATAAGTCACTCACTGGTTACATTTGGATGGCTTATGTAACCACAAACATCATCTTTCT
 TGTCTCACTTGAGTATTTCACTGTATCTGCCATATACAGAAAGCAGACTGTCCATGAACATTAGGAGAA
 AAATAGTTTATGTAACAACCTCACTGTAATTAGTTGTTGTGTTTTTAAAAAGCCAAATATGTCACTTTG
 TGTTGACAATGAGCCAAATTTTAGATGTTTCAGTTAGAGAAATGTTTATTTTTTGCATATTAATAA
 GAGTATTTTCTGTAATCTGAACATAAGGATAAGCATTGGCCAAAAAGCTAAAAATAAGTTTTGTCTATGT
 TCTTTTACCAAAAAAAAAAAAAAAAAA

Restriction Sites:	RsrII-NotI
ACCN:	NM_001039483
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:	BC019761 , AAH19761
RefSeq Size:	1215 bp
RefSeq ORF:	567 bp
Locus ID:	68944
UniProt ID:	Q92IL3
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]