

Product datasheet for RN215024

Tmco1 (NM_001009631) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmco1 (NM_001009631) Rat Untagged Clone
Tag: Tag Free
Symbol: Tmco1
Synonyms: MGC109554
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN215024 representing NM_001009631

Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCACCATGTTTGCAGACACGCTGCTCATCGTTTTATCTCCGTGTGCACCGCGCTGCTCGCCGAGG
 GCATAACCTGGGTCCTGGTTTACAGGACAGACAAATAACAAGAGATTGAAGGCGGAAGTGGAAAAACAAAG
 TAAAAAGTTAGAGAAGAAGAAGGAACTATAACAGAGTCAGCTGGTCGACAACAAAAAAGAAGATAGAG
 CGACAAGAAGAGAACTAAAGAACAACAATAGAGACCTGTCAATGGTGGGATGAAATCCATGTTTGCGA
 TTGGCTTTGTTTACTGCCTTAATGGAATGTTTAATCCATATTTGATGGTAGAGTGGTGGCAAAGCT
 CCCCTTCACTCCTCTCTTACATCCAAGGACTGTCTACCGAAACCTGCTGGGCGATGACACCACAGAC
 TGCTCCTTCATCTTCTGTATATTCTCTGTACTATGTCCATTCGACAAAACATCCAGAAGATTCTTGCC
 TTGCCCTTCACGAGCTGCCACCAAGCAGGCTGGTGGATTTCTTGGCCCCCACCTCCTTCTGAAAGTT
 TTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001009631
Insert Size: 567 bp



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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>NM_001009631.1, NP_001009631.1</u>
RefSeq Size:	1181 bp
RefSeq ORF:	567 bp
Locus ID:	289196
UniProt ID:	<u>Q5I0H4</u>
Cytogenetics:	13q24
Gene Summary:	Calcium-selective channel required to prevent calcium stores from overfilling, thereby playing a key role in calcium homeostasis. In response to endoplasmic reticulum overloading, assembles into a homotetramer, forming a functional calcium-selective channel, regulating the calcium content in endoplasmic reticulum store.[UniProtKB/Swiss-Prot Function]