

Product datasheet for SC100368

TMX3 (NM_019022) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMX3 (NM_019022) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMX3
Synonyms:	PDIA13; TXNDC10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100368 sequence for NM_019022 edited (data generated by NextGen Sequencing)

```

ATGGCAGCGTGGAGAGTTGGACGGCCCTGCGGCTCTGCGCCACAGTTGTTGTACTTGAT
ATGGTCGTCTGTAAAGGATTTGTAGAAGATTTAGATGAATCGTTTAAAGAAAATCGAAAT
GATGACATTTGGCTTGTAGATTTTATGCGCCATGGTGTGGCCATTGTAAAAAGCTGGAA
CCAATTTGGAATGAAGTTGGTCTTGAGATGAAAAGCATTGGTTCTCCAGTTAAGTTTGA
AAGATGGATGCTACTTCTATTCTAGCATTGCTTCAGAGTTTGGAGTTTCGAGGTTATCCA
ACAATTAAGCTATTAAGGGGACTTGGCATATAATTATAGAGGACCACGAACAAAAGAT
GATATTATTGAGTTTGCTCACAGAGTATCTGGGGCTCTAATTCGGCCACTTCCAAGTCAA
CAAATGTTTGAACATATGCAGAAGAGACACCGTGTATTTTTCGTTTATGTAGGTGGAGAA
TCACCTTTGAAAGAGAAATACATAGATGCTGCTCAGAATTGATTGTATATACATACTTC
TTTTCTGCCTCAGAAGAAGTGGTTCTGAGTATGTGACACTAAAAGAGATGCCAGCTGTG
CTTGTTTTCAAAGATGAACTTACTTTGTTTATGATGAGTATGAAGATGGTGATCTGTCA
TCATGGATCAACAGGGAAAGGTTTCAGAAATTACCTTGCTATGGATGGCTTCCTCTGTAT
GAAGTTGGAGACACAGGAAAGCTTGTGGCTCTTGCAAGTTATTGATGAGAAAAATACATCA
GTTGAACATACCAGATTGAAGTCAATTATTCAGGAAGTTGCAAGAGATTACAGAGACCTC
TTCCATAGGGATTTTCAGTTTGGCCACATGGATGGAAATGACTACATAAATACCTTGCTG
ATGGATGAATTGACAGTCCCACTGTAGTTGTAAGTGAATCTTCAAAACCAGCAATATTTT
TTGCTAGATAGACAGATTAAGAATGTTGAAGACATGGTCCAGTTTATTAATAACATTTTG
GATGGCAGATAGAAGCCCAAGGAGGTGATAGCATTTTGCAGAGATTGAAAAGAATAGTA
TTTGATGCCAAATCTACTATTGTGTCTATATTCAAGAGCTCACCAGTGGGCTGCTTT
CTCTTTGGCCTGCCACTGGGTGTCATCAGTATCATGTGCTATGGAATCTACACAGCCGAC
ACAGATGGAGGTTATATAGAAGACGATATGAAGTGTCTAAAAGTGAAAATGAAAACCAA
GAACAGATAGAAGAGAGCAAAGAACAGCAGGAGCCAGCAGTGGAGGATCTGTAGTGCCT
ACAGTGCAGGAGCCCAAGGATGTATTAGAAAAGAAGAAAGATTGA

```

Clone variation with respect to NM_019022.3



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_019022 unedited <pre> TTCAAATTTTGTAAACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCCGCCCC CGTAGTTAGCGCGGTGCTTCTCTCCGCTCCGGGTCGGCTCCGTTTCCCTTTCGGGCGG GCAGGCGGCGGACCCAGTGTCTTTATCCCTCTTTGCACAGTCAGCTTCTGCAGCTCTC CCGGGCTAGCATGGCAGCGTGAAGAGTTGGACGGCCCTGCGGCTCTGCGCCACAGTTGT TGTAATCGAAATGATGACATTTGGCTTGTAGATTTTATGCGCCATGGTGTGGCCATTGTAA AAAGCTGGAACCAATTTGGAATGAAGTTGGTCTTGAGATGAAAAGCATTGGTTCTCCAGT TAAGGTTGAAAGATGGATGCTACTTCTATTCTAGCATTGCTTCAGAGTTTGGAGTTTCG AGGTTATCCAACAATTAAGCTATTAAGGGGACTTGGCATATAATTATAGAGGACCACG AACAAAGATGATATTATTGAGTTTGTCTACAGAGTATCTGGGCTCTAATTCGGCCACT TCCAAGTCAACAATGTTTGAACATATGCAGAAGAGACACCGTGATTTTTCGTTTATGT AGGTGGAGAATCACCTTTGAAAGAGAAATACATAGATGCTGCTTCAGAATTGATTGTATA TACATACTTCTTTCTGCCTCAGAAGAAGTGGTTCCTGAGTATGTGACACTAAAAGAGAT GCCAGCTGTGCTTGTTCGCTTCAAGATGAACTTACTTTGTTTATGATGAGTATGAAGATGG GTGATCTGTCATCATGGATCAACAGGAAAGGTTTCAGAATACCTTGCTATGGATGGGCTN NCTCTGTATGACTTGAGACCAGAAAAGCTGTGCTCTTGAGTATGTGAGAAATACATAGT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_019022
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.
RefSeq:	NM_019022.3 , NP_061895.3
RefSeq Size:	4767 bp
RefSeq ORF:	1365 bp
Locus ID:	54495
UniProt ID:	Q96JJ7
Cytogenetics:	18q22.1
Domains:	thioredoxin
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The canonical protein encoded by this gene has an N-terminal ER-signal sequence, a catalytically active thioredoxin domain, one transmembrane domain and a C-terminal ER-retention sequence. This gene is expressed in many tissues but has its highest expression in heart and skeletal muscle. It is expressed in the retinal neuroepithelium and lens epithelium in the developing murine eye and haploinsufficiency of this gene in humans and zebrafish is associated with microphthalmia. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Apr 2017]