

Product datasheet for **MC226622**

Tmx2 (NM_001290751) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmx2 (NM_001290751) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tmx2
Synonyms: 2310042M24Rik; AA589631; Txndc14
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226622 representing NM_001290751
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGTCTTGCGCCTCTGATTGCTTTGGTGTACTCGGTGCCGCGCTTTCTCGATGGCTGGCCCGAC
 CTTATTGCCTTCTGTCTGCTCTGCTTTCCATTGCTTTCCCTCCTCGTGAGGAACTGCCACCGATTGCAA
 TGGTCTCCCCACGCAACGCGAAGATGGCAACCCGTGTGACTTTGACTGGAGAGAAGTGGAGATCCTGATG
 TTCCTCAGTGCCATTGTGATGATGAAGAACCAGATCCATGTTCTGATGACCTGCAAGCCCCGCTGT
 ACATGGGTCTGAGTATATCAAGTACTTCAATGATAAAACCATTGATGAGGAGCTGGAGCGAGACAAGAG
 GGTCACTTGGATTGTGGATTCTTTGCCAACTGGTCTAATGATTGCCAATCCTTTGCTCCCATCTATGCC
 GACTTGTCCCTCAAGTACAAGTGTTCAGGGCTAAATTTGGGAAGGTAGATGTTGGACGCTACACTGACG
 TTAGCACACGGTACAAAGTGAGCACATCACCCCTACCAGACAGCTCCCTACCCTGATTCTGTTCCAAGG
 CGGCAAGGAGGTCATTCGTCGGCCGAGATTGACAAGAAAGGACGAGCTGTCTCTGGACCTTTCTGAG
 GAGAATGTGATTGAGAATTCAACTGAATGAGCTATACCAACGAGCCAAGAAGCACTCAAAGGGTGGAG
 ACATGTGAGAAGAGAAGCCTGTGGACCTGCTCCCACTACTGTGCCAGATGGGAAAAACAAGAAGGACAA
 ATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290751
Insert Size: 774 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001290751.1, NP_001277680.1</u>
RefSeq Size:	1987 bp
RefSeq ORF:	774 bp
Locus ID:	66958
UniProt ID:	<u>Q9D710</u>
Cytogenetics:	2 D
Gene Summary:	<p>Endoplasmic reticulum and mitochondria-associated protein that probably functions as a regulator of cellular redox state and thereby regulates protein post-translational modification, protein folding and mitochondrial activity. Indirectly regulates neuronal proliferation, migration, and organization in the developing brain.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a. The 5' UTR of this variant is incomplete due to lack of a complete transcript and splice pattern ambiguity in the upstream region.</p>