

Product datasheet for **MC210459**

Tmx2 (NM_025868) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmx2 (NM_025868) 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: >MC210459 representing NM_025868
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGTCTTGGCCCTCTGATTGCTTTGGTGTACTCGGTGCCGCGCTTTCTCGATGGCTGGCCCGAC
CTTATTGCCTTCTGTCTGCTCTGCTTTCCATTGCTTTCTCCTCGTGAGGAACTGCCACCGATTGCAA
TGGTCTCCCCACGCAACGCGAAGATGGCAACCCGTGTGACTTTGACTGGAGAGAAGTGGAGATCCTGATG
TTCTCAGTGCCATTGTGATGATGAAGAACCGCAGATCCATCACTGTGGAGCAACATGTAGCAACATCT
TTATGTTTAGTAAAGTGGCCAACGCCATCCTTTCTTCCGACTGGATATTCGAATGGGTCTGCTATACCT
CACACTCTGCATAGTGTTCTGTGACCTGCAAGCCCCGCTGTACATGGGTCTGAGTATATCAAGTAC
TTCAATGATAAAACCATTGATGAGGAGCTGGAGCGAGACAAGAGGGTCACTTGGATTGTGGAGTTCTTTG
CCAAGTGGTCTAATGATTGCCAATCCTTTGCTCCCATCTATGCGGACTTGTCCCTCAAGTACAAGTGTTC
AGGGCTAAATTTGGGAAGGTAGATGTTGGACGCTACACTGACGTTAGCACACGGTACAAAGTGAGCACA
TCACCCCTCACCAGACAGCTCCCTACCCTGATTCTGTTCCAAGGCGCAAGGAGGTCATTCGTCGGCCGC
AGATTGACAAGAAAGGACGAGCTGTCTCTTGGACCTTTTCTGAGGAGAATGTATTGAGAAATCAACTT
GAATGAGCTATACCAACGAGCCAAGAAGCACTCAAGGGTGGAGACATGTCAGAAGAGAAGCCTGTGGAC
CCTGCTCCCACTACTGTGCCAGATGGGAAAACAAGAAGGACAAA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_025868
Insert Size: 888 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:	NM_025868.4 , NP_080144.1
RefSeq Size:	2287 bp
RefSeq ORF:	888 bp
Locus ID:	66958
UniProt ID:	Q9D710
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 (1) represents the longer transcript and encodes the longer isoform (a).</p>