

Product datasheet for **MC226433**

Tlcd1 (NM_001291237) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tlcd1 (NM_001291237) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tlcd1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226433 representing NM_001291237
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGATGGCCGTGGGATCTTTCGCGGGGTGCTCGGACTGGGCTCCCTCTTGCTATTTCCATCACGGGTG
AACAGACGCCAAGGATCTCACCTGATTCGGTTTGGAAAACACCAACCAAGAACGGCTGTGGAAACCC
AAGCTTATGGCAAACCCCTGAAATGCTGGTGGAGATTGAAACAGCGTGGTCAAGCTTCTGGCTATTTGCTT
GTTTGCTTCTCTGACGATACTTTATCCACGACACAGTGGACATTGTGGTTAGCAAGCAAACCTCGAGCTT
CTTGGAATACCTTGTTTCATCATGTCATGGCTATGGGCGCCTTCTCTCTGGTATCTTTGGAAAAGATT
TGTTGGTGGTGGCGTCTAACACTACTGGTAGAGGTGAGCAACATCTTCCTCACCTTAAGGATGATGATG
AAGATAACAATGCTCAGGATCTCCTCCTACAAGGTCAACAAGTATATCAACTGGTCATGTAAGTCTCC
TCTTCGATTGGCCCTCAGGCCTACCTCACCAAGTTCTTCTACAGTATGCTGGCCAGAGGACCCTGGG
CACATTCTGTTGGCCATCCTGCTCATGCTGGACTTGATGATAATCATCTACTTTTCTCGCCTCCTCCGC
TCTGATTTCTGCCCTGAACGTGCACCCAGGCGCCAACAAAAGACAAATTCTTGACTGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001291237
Insert Size: 693 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).



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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:	NM_001291237.1 , NP_001278166.1
RefSeq Size:	1327 bp
RefSeq ORF:	693 bp
Locus ID:	68385
UniProt ID:	Q99JT6
Cytogenetics:	11 B5
Gene Summary:	<p>Regulates the composition and fluidity of the plasma membrane (By similarity). Inhibits the incorporation of membrane-fluidizing phospholipids containing omega-3 long-chain polyunsaturated fatty acids (LCPUFA) and thereby promotes membrane rigidity (By similarity). Does not appear to have any effect on LCPUFA synthesis (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) has multiple differences in the 5' UTR and 5' coding region, which result in use of an alternate start codon, compared to variant 1. The encoded isoform (c) has a shorter and distinct N-terminus, compared to isoform a. Both variants 3 and 4 encode the same isoform.</p>