

## Product datasheet for **MC226086**

### Tlcd1 (NM\_001291235) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tlcd1 (NM\_001291235) 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:** >MC226086 representing NM\_001291235  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGGTGGAGATTGAAACAGCGTGGTCAGCTTCTGGCTATTTGCTGTTTGCTTCTCTGCAGGATACT  
 TTATCCACGACACAGTGGACATTGTGGTTAGCAAGCAAACCGAGCTTCTGGGAATACCTTGTTTCATCA  
 TGTATGGCTATGGCGCCTTCTCTCTGGTATCTTTGGAAAAGATTTGTTGGTGGTGGCGTCTTAACA  
 CTAAGTGGTAGAGTCAAGCAACATCTTCTCACCTTAAGGATGATGATGAAGATAAACAATGCTCAGGATC  
 TCCTCCTCTACAAGTCAACAAGTATATCAACTTGGTCATGTAATCTCTCTCCGATTGGCCCTCAGGC  
 CTACCTACCAAGTTCTTCTACAGTATGCTGGCCAGAGGACCCTGGGCACATTCTGTTGGCCATCCTG  
 CTCATGCTGGACTTGATGATAATCATCTACTTTTCTCGCCTCCTCCGCTCTGATTCTGCCTGAACGTG  
 CACCCAGGCGCCAACAAAAGACAAATTCTTGACTGAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001291235  
**Insert Size:** 531 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).  
**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001291235.1, NP_001278164.1</u>
<b>RefSeq Size:</b>	1143 bp
<b>RefSeq ORF:</b>	531 bp
<b>Locus ID:</b>	68385
<b>Cytogenetics:</b>	11 B5
<b>Gene Summary:</b>	<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 (2) uses an alternate 5'-terminal exon, lacks part of the 5' coding region, and uses a downstream start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus, compared to isoform a.</p>