

## Product datasheet for **MC226161**

### Tlcd2 (NM\_001291156) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tlcd2 (NM\_001291156) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tlcd2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226161 representing NM\_001291156  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCATCCTGGGGACTCCTTGTGGCTGGCGCTTCCTTCACGGCGTTTCGGGGACTGCCTGGGGCTGC  
AGCTGCTGCCACCCGAAATCTGTTTCGGGACCGCTGGATGTGGCGGAACATTTTCGTTTCGCTGATACA  
CAGCCTACTCTCGAGTAGGGCGCTGGTCGGCTGTGGCAGTTTCCTCAAATGGTCACCGACCCAATT  
AATGATACCCACCGTGGGCACGGGTCCTAGTAGCAGTGTCAAGGGTTATTTTCGCTGCAGATGGAGTTG  
ATATGCTGTGGAACAGACATTGGCCCAGGCTGGACCTTCTCTGTCAACATTTGGCGGTAGTGAGCTG  
CCTCAGCACCGCTGTTGTGTCTGGCCACTATGTGGCTTCTCTATGGTATCCCTGCTTCTGGAGCTGAAC  
TCCATCTGTTTGCATCTACGGAAGCTACTGCTGCTCTCCATAAGGCCCATCCTTGGCCTTCAGAGCTC  
CAGATACCTGTACTCCACTGCTGCTGCTCTTGGTGGTCATCTCATGGTACTGGCATCTCCAAAACGC  
TGCATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001291156  
**Insert Size:** 567 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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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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><a href="#">NM_001291156.1</a></u> , <u><a href="#">NP_001278085.1</a></u>
<b>RefSeq Size:</b>	1141 bp
<b>RefSeq ORF:</b>	567 bp
<b>Locus ID:</b>	380712
<b>UniProt ID:</b>	<u><a href="#">Q8VC26</a></u>
<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) lacks an exon in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>