

Product datasheet for **MC207964**

Tlcd2 (NM_027249) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tlcd2 (NM_027249) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tlcd2
Synonyms: 2010305C02Rik; RP23-384C18.8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207964 representing NM_027249
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCATCTGGGGACTCCTTGTGGCTGGCGCTTCTTCACGGCGTTTCGGGGACTGCACTGGGGGCTGC
 AGCTGCTGCCACCCGAAATCTGTTCCGGACCGCTGGATGTGGCGGAACATTTTCGTTTCGCTGATACA
 CAGCCTACTCTCTGGAGTAGGGGCGCTGGTCCGGCTGTGGCAGTTTCTCAAATGGTCACCGACCAATT
 AATGATACCCACCGTGGGCACGGGCTCCTAGTAGCAGTGTCAAGTGGTTATTTTCGCTGCAGATGGAGTTG
 ATATGCTGTGGAACAGACATTGGCCCAGGCTGGGACCTTCTCTGTCAACATTTGGCGGTAGTGAGCTG
 CCTCAGCACCGCTGTTGTGTCTGGCCACTATGTGGGCTTCTCTATGGTATCCCTGCTTCTGGAGCTGAAC
 TCCATCTGTTTGCATCTACGGAAGCTACTGCTGCTCTCCATAAGGCCCATCCTTGGCCTTCAGAGTAA
 GCAGTTGGGCCAGCCTGGCCACCCTGGTCTCTCCGCTTCTGCCTCTGGGATGGATGAGTCTGTGGTT
 GTCCCGGCAGCACTACCAGCTGTCTCTTGCTCTGGTTCTGCTTTGTGTGGCTGGGCTGGTCACCGTGGGC
 AGCATAAGCATCTCCACAGGGATCCGAATCTGACCAAGGATATCTGCAGTCTCAGCCCTACCCGTTTA
 TCCTCATGCACAAGGAAACCAAGACACGTGAGCCTGTTGCCAGGAACACTCCACTCTCAGTCTGAAAGG
 CTCCAGATACCTGTACTCCACTGCTGCTGCTCTTGGTGGTCACTCATGTTACTGGCATCTCCAAAA
 CGCTGCATGACCCCTTCAAGAGAGAAGACTAGAGCCTGGCAAAGTGGCACATGCTG
 ATAATGCTAGCACTTGGGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_027249
Insert Size: 933 bp



[View online »](#)

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:	<u>NM_027249.3</u> , <u>NP_081525.1</u>
RefSeq Size:	1424 bp
RefSeq ORF:	933 bp
Locus ID:	380712
UniProt ID:	<u>Q8VC26</u>
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 (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>