

Product datasheet for **SC326835**

TLCD2 (NM_001164407) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TLCD2 (NM_001164407) Human Untagged Clone
Tag: Tag Free
Symbol: TLCD2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC326835 representing NM_001164407.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCCACGGGGCTCCTGGTGGCCGGCGCCTCCTTCCTCGCGTTCGGGGGCTGCACTGGGGTTG
CGGCGGCTGCCACGCCGAATCGGCCGCTCGGGACCGCTGGCAGTGGTGAACCTCTGCGTCTCCCTG
GCGCACAGCCTGCTCTCGGGACCGGGCGCTGCTCGGCCTGTCACTGTACCCTCAGATGGCCGCCGAC
CCCATCCATGGCCACCCGCGCTGGGCTCTGGTGTGGTGGCTGTGTCTGTGGTTACTTCCTGGCAGAC
GGAGCTGACCTGCTGTGGAACCAGACCTGGGCAAGACCTGGGATCTTCTCTGTATCATTTGGTGGTG
GTGAGCTGCCTCAGCACCCTGTTCTGTCTGGCCACTACGTGGGCTTCTCCATGGTGTCTGCTCCTG
GAACTGAACTCTGCCTGCTTGACCTGCGGAAGCTGCTGTTGCTTCTCGCCAGGCCCCATCCCTGGCC
TTCAGCGTGACCAGCTGGGCCTCCTGGCCACCTTGGCCCTTCCGCTGGTCCCGCTGGGGTGGATG
AGTCTGTGGTGTTCGGCAGCACCACCAGTTCTCTTGTCTGGTCAACCTGGGTGGAATTGGGCTG
GTCAGTGTGGGCATCATGAGCATCATATTGGGGATCCGTATTCTGGTCAATGATGTCTACAGTCTCGA
CCCCATCCACCAGCCCTGGCCATGAGAAAACCAGGGGGACCAGGACACGTCGTGACAATGGACCTGTC
ACCAGCAACAGTTCGACTCTCAGCCTGAAAGACTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI
ACCN: NM_001164407
Insert Size: 795 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001164407.1</u>
RefSeq Size:	5901 bp
RefSeq ORF:	795 bp
Locus ID:	727910
UniProt ID:	<u>A6NGC4</u>
Cytogenetics:	17p13.3
MW:	28.7 kDa
Gene Summary:	Regulates the composition and fluidity of the plasma membrane (PubMed:30509349). Inhibits the incorporation of membrane-fluidizing phospholipids containing omega-3 long-chain polyunsaturated fatty acids (LCPUFA) and thereby promotes membrane rigidity (PubMed:30509349). Does not appear to have any effect on LCPUFA synthesis (PubMed:30509349).[UniProtKB/Swiss-Prot Function]