

Product datasheet for **SC326766**

TLCD1 (NM_001160407) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | TLCD1 (NM_001160407) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | TLCD1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC326766 representing NM_001160407. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
 ATGGGTTACTCAGCAGTCCCAAGTGCCACCTCGCGGGCGGGAGGGACAGTGTATGGCAGACTCCT
 GACATGTTAGTGGAGATTGAGACGGCGTGGTCACTTTCTGGCTATTTGCTCGTTTGCTTCTGCGGGG
 TATTTATCCACGATACGGTGGACATCGTGGCTAGCGGACAGACGCGAGCCTCTTGGGAATACCTTGTC
 CATCACGTCATGGCCATGGGTGCCTTCTCTCCGCATCTTTGGAGCAGCTTTGTCGGTGGGGGTGTC
 TTAACACTACTGGTGAAGTCAGCAACATCTTCTCACCATTGCGATGATGATGAAAATCAGTAATGCC
 CAGGATCATCTCCTCTACCGGTTAACAAGTATGTGAACCTGGTCATGTACTTTCTTCCGCCTGGCC
 CCTCAGGCCTACCTACCCATTTCTTCTTGCATTATGTGAACCAGAGGACCTGGGCACCTTCTGCTG
 GGTATCTGCTCATGCTGGACGTGATGATCATAATCTACTTTTCCGCCTCCTCCGCTCTGACTTCTGC
 CCTGAGCATGTCCCAAGAAGCAACACAAAGACAAGTTCTTGACTGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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| Restriction Sites: | SgfI-MluI |
| ACCN: | NM_001160407 |
| Insert Size: | 603 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: | 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_001160407.1</u> |
| RefSeq Size: | 904 bp |
| RefSeq ORF: | 603 bp |
| Locus ID: | 116238 |
| UniProt ID: | <u>Q96CP7</u> |
| Cytogenetics: | 17q11.2 |
| Protein Families: | Transmembrane |
| MW: | 23.1 kDa |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1.</p> |