

Product datasheet for **SC123142**

TLCD1 (NM_138463) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TLCD1
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_138463 edited

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GGCTGGCGGCCGGCGGAGAGGCGGCCGGCCTGGACTGGCCCGAGAGGGATCCCGTTCC
CAGAACAGACCTAGGAGGCGGCCCTCGAGGGCGGACGGCAGGAGGGCCAGCATGCCCGA
CTGCTGCACCCCGCCCTGCCGCTGCTCCTGGCGCCACGCTGACCTCCGGGCGCTCCGG
CGCGCGCTCTGTGCGCTGCCCTACCCGTGCACGTGCGCGCCGACCCCTGCGCACCTGG
CGCTGGCACAACCTGCTCGTCTCCTTCGCTCACTCCATTGTGTGCGGGATCTGGGCACTG
CTGTGTGTATGGCAGACTCCTGACATGTTAGTGGAGATTGAGACGGCGTGGTCACTTTCT
GGCTATTTGCTCGTTTGCTTCTCTGCGGGTATTTATCCACGATACGGTGGACATCGTG
GCTAGCGGACAGACGCGAGCCTCTTGGAATACCTTGCCATCACGTGATGGCCATGGGT
GCCTTCTTCTCCGGCATCTTTTGGAGCAGCTTTGTGCGTGGGGGTGTCTTAACACTACTG
GTGGAAGTCAGCAACATCTTCTCACCATTGCGATGATGATAAATCAGTAATGCCAG
GATCATCTCCTCTACCGGGTAACAAGTATGTGAACCTGGTCATGACTTTCTTCCGC
CTGGCCCTCAGGCCTACCTCACCCATTTCTTCTTGCATTATGTGAACAGAGGACCTG
GGCACCTTCTGCTGGGTATCCTGCTCATGCTGGACGTGATGATCATAATCTACTTTCC
CGCCTCCTCGCTCTGACTTCTGCCCTGAGCATGTCCCAAGAAGCAACACAAAGACAAG
TTCTTGACTGAGTGAGGGGCACAGAGCCTGGGACAACAAAAACGGACAAGGCCAGAAACA
GCTTCATATGGACACTGGGACTTAGCCCCAAGCCTGGGTGTCCTCTGAGGCCAGCCTCTC
CACCTTCTGAGCCTGCGCCACACTATTGAAAAACATAATGAAAGTAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_138463 unedited <pre> AGTCAAATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGGGCTGGCGGC CGGCGGGAGAGGCGGCCGGCCTGGACTGGCCGAGAGGGATCCCGGTTCCAGAACAGAC CTAGGAGGCGGCCCTCGAGGGCGGACGGCAGGGAGGGCCAGCATGCCCGACTGCTGCACC CCGCCCTGCCGCTGCTCCTGGGCGCCACGCTGACCTTCCGGGCGCTCCGGCGCGCGCTCT GTGCGCTGCCCTACCCGTGCACGTGCGCGCCGACCCCTGCGCACCTGGCGCTGGCACA ACCTGCTCGTCTCCTTCGCTCACTCCATTGTGTCGGGGATCTGGGCACTGCTGTGTAT GGCAGACTCCTGACATGTTAGTGGAGATTGAGACGGCGTGGTCACTTTCTGGCTATTGTC TCGTTTGCTTCTCTGCGGGGATTTTCATCCACGATACGGTGGACATCGTGGCTAGCGGAC AGACGCGAGCCTCTTGGGAATACCTTGTCATCACGTATGGCCATGGGTGCCTTCTTCT CCGGCATCTTTTGGAGCAGCTTTGTGCGTGGGGGTGTCTTAACACTACTGGTGAAGTCA GCAACATCTTCTCACCATTTCGATGATGATGAAAATCAGTAATGCCAGGATCATCTCC TCTACCGGGTTAACAAGTATGTGAACCTGGTCATGTACTTTCTTCCGCTGGCCCTC AGGCTACCTACCCATTTCTTCTGCGTTATGTGAACAGAGGACCTGGGCACCTTCC TGCTGGGTATCCTGCTCATGCTGGACGTGATGATCATAATCTACTTTCCCGCTNCTCC GCTCTGACTTCTGCGCTGACCAGTCCCNAGAAGCACACANAGACAAGTCTTGAAGTGA TGAGGGCACAAAGCCTGGACC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_138463
Insert Size:	1107 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).
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_138463.2</u> , <u>NP_612472.1</u>
RefSeq Size:	1098 bp
RefSeq ORF:	744 bp
Locus ID:	116238

UniProt ID: Q96CP7

Cytogenetics: 17q11.2

Protein Families: Transmembrane

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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).