

Product datasheet for **MR228297**

Tlcd1 (NM_001291235) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tlcd1 (NM_001291235) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tlcd1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228297 representing NM_001291235
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGCTGGTGGAGATTGAAACAGCGTGGTCAGCTTCTGGCTATTTGCTTGTTCCTCTGCAGGATACT
 TTATCCACGACACAGTGGACATTGTGGTTAGCAAGCAAACGAGCTTCTGGGAATACCTTGTTTCATCA
 TGTCATGGCTATGGGCGCCTTCTCTCTGGTATCTTTGGAAAAGATTGTTGGTGGTGGCGTCTTAACA
 CTACTGGTAGAGGTCAGCAACATCTTCTCACCTTAAGGATGATGATGAAGATAAACAATGCTCAGGATC
 TCCTCCTCTACAAGGTCAACAAGTATATCAACTTGGTCATGTACTTCTCTTCCGATTGGCCCCCAGGC
 CTACCTACCAAGTTCTTCTACAGTATGCTGGCCAGAGGACCCTGGGCACATTCTTGTGGCCATCCTG
 CTCATGCTGGACTTGATGATAATCATCTACTTTTCTCGCCTCCTCCGCTCTGATTCTGCCTGAACGTG
 CACCCAGGCGCCAACAAAAGACAAATTCTTGACTGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228297 representing NM_001291235
 Red=Cloning site Green=Tags(s)

MLVEIETAWSASGYLLVCFSAAGYFIHDTVIVVSKQTRASWEYL VHHVMAMGAFFSGIFWKRFVGGGVL T
 LLVEVSNIFLTLRMMMKINNAQDLLLYKVNKYINLVMYFLFRLAPQAYLTKFFLQYAGQRTLGTFLAIL
 LMLDLMIIYFSRLLRSDFCPEAPRRQKDKFLTE

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001291235

ORF Size: 528 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

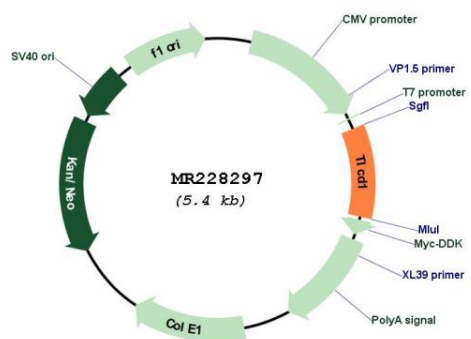
RefSeq: [NM_001291235.2](#)

RefSeq Size: 1143 bp

RefSeq ORF: 531 bp

Locus ID:	68385
Cytogenetics:	11 B5
MW:	21 kDa
Gene Summary:	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]

Product images:



Circular map for MR228297