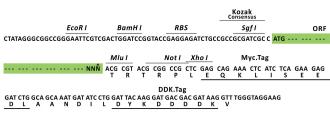


Product datasheet for RC228200L3

TLCD2 (NM_001164407) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids Product Name: TLCD2 (NM 001164407) Human Tagged Lenti ORF Clone Tag: Myc-DDK Symbol: TLCD2 Mammalian Cell Puromycin Selection: Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092) E. coli Selection: Chloramphenicol (34 ug/mL) **ORF** Nucleotide The ORF insert of this clone is exactly the same as(RC228200). Sequence: **Restriction Sites:** Sgfl-Mlul **Cloning Scheme:** Cloning sites used for ORF Shuttling: ORF Safl Mlu I --- GCG ATC GC ATG --- // --- NNN ACG CGT ---



* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM_001164407 792 bp



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OriGene Technologies, Inc.

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CRIGENE TLCD2	(NM_001164407) Human Tagged Lenti ORF Clone – RC228200L3
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. <u>More info</u>
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 ORF:	795 bp
Locus ID:	727910
UniProt ID:	A6NGC4
Cytogenetics:	17p13.3
MW:	28.6 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]

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