

Product datasheet for MR225775L3

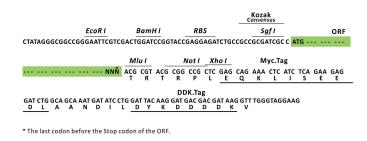
Pln (NM_023129) Mouse Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Expression Plasmids
Pln (NM_023129) Mouse Tagged Lenti ORF Clone
Myc-DDK
PIn
Plb
Puromycin
pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Chloramphenicol (34 ug/mL)
The ORF insert of this clone is exactly the same as(MR225775).
Sgfl-Mlul
Cloning sites used for ORF Shuttling:
Sgf1 ORF Mlu I GCG ATC GC ATG // NNN ACG CGT



ACCN: ORF Size: NM_023129 156 bp



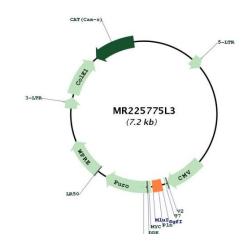
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	n (NM_023129) Mouse Tagged Lenti ORF Clone – MR225775L3
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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 Meth	 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 023129.5, NP 075618.1</u>
RefSeq Size:	2353 bp
RefSeq ORF:	159 bp
Locus ID:	18821
UniProt ID:	<u>P61014</u>
Cytogenetics:	10 B3
Gene Summary:	Reversibly inhibits the activity of ATP2A2 in cardiac sarcoplasmic reticulum by decreasing the apparent affinity of the ATPase for Ca(2+). Modulates the contractility of the heart muscle in response to physiological stimuli via its effects on ATP2A2. Modulates calcium re-uptake during muscle relaxation and plays an important role in calcium homeostasis in the heart muscle. The degree of ATP2A2 inhibition depends on the oligomeric state of PLN. ATP2A2 inhibition is alleviated by PLN phosphorylation.[UniProtKB/Swiss-Prot Function]

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Product images:



Circular map for MR225775L3

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