

Product datasheet for RR200884

Pln (NM_022707) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Pln (NM 022707) Rat Tagged ORF Clone

Tag: Myc-DDK

Symbol: Pln

Synonyms: Plm

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >RR200884 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGAAAAAGTCCAATACCTTACTCGCTCGGCTATCAGGAGAGCCTCGACTATTGAAATGCCCCAGCAAGCGCGTCAGAACCTCCAGAACCTCTTTATCAATTTCTGTCTCATCTTGATATGTCTGCTGCTGATCTGCAT

CATTGTGATGCTTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200884 protein sequence

Red=Cloning site Green=Tags(s)

 ${\tt MEKVQYLTRSAIRRASTIEMPQQARQNLQNLFINFCLILICLLLICIIVMLL}$

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

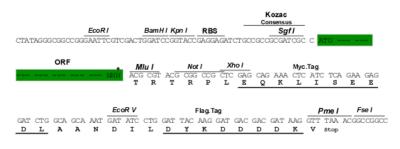
CN: techsupport@origene.cn

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Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_022707

ORF Size: 156 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.

RefSeq: <u>NM 022707.2</u>, <u>NP 073198.1</u>

RefSeq Size: 2254 bp



 RefSeq ORF:
 159 bp

 Locus ID:
 64672

 UniProt ID:
 P61016

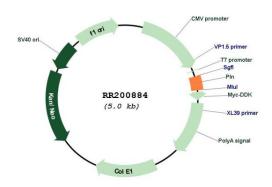
 Cytogenetics:
 20q11

 MW:
 6.1 kDa

Gene Summary: may inhibit sarcoplasmic reticulum Ca-ATPase; may play a role in calcium regulation and

transport in the heart [RGD, Feb 2006]

Product images:



Circular map for RR200884