

Product datasheet for **RN200884**

Pln (NM_022707) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pln (NM_022707) Rat Untagged Clone
Tag: Tag Free
Symbol: Pln
Synonyms: Plm
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200884 representing NM_022707
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAAAAGTCCAATACCTTACTCGCTCGGCTATCAGGAGAGCCTCGACTATTGAAATGCCCCAGCAAG
CGCGTCAGAACCTCCAGAACCTTTATCAATTTCTGTCTCATCTTGATATGTCTGCTGCTGATCTGCAT
CATTGTGATGCTTCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_022707
Insert Size: 159 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).



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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: [NM_022707.2](#), [NP_073198.1](#)

RefSeq Size: 2254 bp

RefSeq ORF: 159 bp

Locus ID: 64672

UniProt ID: [P61016](#)

Cytogenetics: 20q11

Gene Summary: may inhibit sarcoplasmic reticulum Ca-ATPase; may play a role in calcium regulation and transport in the heart [RGD, Feb 2006]