

Product datasheet for **MC217657**

Pnlc1 (NM_001034866) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pnlc1 (NM_001034866) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pnlc1
Synonyms:	Gm313
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217657 representing NM_001034866
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGTGGCGCGGACGAATTTGAGCAGAGCCTTCCACTCCTGCAGGAGCTTGTGCGGGTGGCGACT
 TCGTGGGTCTGGATATAGAGTTCACAGGTCTGCGTTCAAACCTGTCTCGGCCCAACAGATCAGTCTTTT
 TGACTTGCCATCTGAGTGGTATCTGAAGACCCGCGAGAGTGTTCAGCAGTTTACAATCTGTCAGATTGGA
 TTGTCCATGTTTTCCAGCATCGAAGGAGAGTCAAACAAGTATGTAGCACACTCCTGCAATTTCTTTCTCT
 TCCCTACAACATTTGGGATCCTGGACTCAGAGTTCTTTCCAGGCATCTAGTGTGAGTTTCTGAATCA
 GTATGGCTTCGACTATAACAAGTTCCTCAAAAATGGAATCCCATACATGAATGAAGAGCAGGAGAAGAAA
 ATCAAGCACAGTATCCTAAGAGGAACTGGAGAGTCCGAAGCTCTCTGGATAAAGACCAATCAAGGTGG
 TGATTGATAAGGTGACCCAGTGGCTGGACTGGCTGAGGAAGGTGACCAGATGACTCTGCCTGGCATCGC
 TGGGTTCCAAGCCTTTGAGGTCCAAGTGGTGTGAGGCAGGCCCTCCCAACATCTGGACAGTGTGAAA
 GAGGAGTGGGTGATTGTGAAGAAGGTGAGCCAGCCACAACGCTGGTACCTTGAGCACGCCTCTTGTGACC
 AAGTCAGCTGTTGGAAGGAACAGATTCTTCTCTCTGCAAGAGGCTTCTGTCTTTTTCCAGATGTTGGT
 GAAAGCCCAGAAGCCCTTGGTAGGACATAACATGATGATGGACCTACTGCATCTCCATGAGAAGTTCTTC
 CGACCTCTCCAGAAAGCTATGATCAGTTTAAGCAGAACATCCATAGCCTGTTTCTGTCTCATTGACA
 CTAAAGACGTGACAAAGGACATCTGGAAGGAAGTGCCTTCCACGGGTCTCAACCTCTTGAAGTGTGTA
 CGAAGTGTGAGCAGTAACTTGAATCCCACTAAGGATTCTGGACCGGTGATTATTCACGCAAGACAGTGT
 AAAAAATACGCTGAGACCAAGTGCCTCACGAAGCAGCCTATGACGCTTTCCTCTGCGGGTCAAGTTCTTT
 TGAAGTGGTCACTTGTCTCCTGCAGAGGTGCATGGCAACGGTGTGTGCACGAGCCTGCCTTCCCA
 ATACCTTGATGTGCTGGCGCCTTACGTGAACCAAGTGAACCTTATCCGAGCTGGGGTCCGAAAATTAAT
 TTTTCTGGTCCCATTACCCAGCATCCGCCCTCTGTACTCATCTCACCGTCAAGAGGTGGCCTGGGG
 TGAGCGAGCAGCAGGTCTACCGTGTGAGTTCCAGAATCTCTGCAAGTTTCGATGTGAGCGGTTCACTCGAAG
 CCAGTTCTGCTCCTGACCAATAAGTTTAAAGGATGCCCGCAGTGTCTTGAAGGAGTACAGGAACACCCA
 ACCCTGCAGGTCTCCTGTACCGGTCTGGAGACATCCCAACATCACCTGCCTGTTACAGGTCTGCA
 GCATAGTACCACCTGGGCCATGATTGCATTTCTCTGGGAAGACCCATGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001034866
- Insert Size:** 1596 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).

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_001034866.1](#), [NP_001030038.1](#)

RefSeq Size: 1689 bp

RefSeq ORF: 1596 bp

Locus ID: 240023

UniProt ID: [B2RXZ1](#)

Cytogenetics: 17 A1

Gene Summary: 3'-exoribonuclease that has a preference for poly(A) tails of mRNAs, thereby efficiently degrading poly(A) tails (PubMed:27515512). Exonucleolytic degradation of the poly(A) tail is often the first step in the decay of eukaryotic mRNAs and is also used to silence certain maternal mRNAs translationally during oocyte maturation and early embryonic development (PubMed:27515512). May act as a regulator of multipotency in embryonic stem cells (PubMed:27515512).[UniProtKB/Swiss-Prot Function]