

## Product datasheet for **MC216324**

### **Pnlip (NM\_026925) Mouse Untagged Clone**

#### **Product data:**

|                    |  |
|--------------------|--|
| Product Type:      | Expression Plasmids                    |
| Product Name:      | Pnlip (NM_026925) Mouse Untagged Clone |
| Tag:               | Tag Free                               |
| Symbol:            | Pnlip                                  |
| Synonyms:          | 1810007A24Rik; PL; PTL                 |
| Vector:            | pCMV6-Entry (PS100001)                 |
| E. coli Selection: | Kanamycin (25 ug/mL)                   |
| Cell Selection:    | Neomycin                               |



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**Fully Sequenced ORF:** >MC216324 representing NM\_026925  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTAATGCTGTGGACATTTGCAGTGTCTGCTGGGAGCAGTAGCTGGAAGGGAAGTTTGCTTCGACAAAC  
 TCGGCTGCTTCAGTGATGATGCCCCCTGGTCAGGAACTCTAGACAGACCCTGAAAGCACTGCCCTGGAG  
 CCCAGCACAGATCAACACCCGCTTTCTCCTCTACACCAACGAGAATCCAGACAACCTACCAGCTAATTACT  
 TCAGATGCATCAAACATCAGAACTCCAATTTCCGAACAAACAGAAAAACCCGTATCATTATCCACGGCT  
 TCATCGACAAGGGAGAAGAAAAGTGGCTATCTGACATGTGCAAGAACATGTTCCGAGTGGAGAGTGTGAA  
 CTGCATCTGTGTGGACTGGAAAGGCGGTTCCCGAACGACATATACCCAGGCTACCCAGAAGCTCCGGGTC  
 GTGGGGCAGAAGTGGCATTGTTGGTTAACGTTCTGCAGTCTGATCTGGGATACTCACTTAACAATGTCC  
 ACCTGATTGGCCACAGCCTGGGTTCCACATTGCTGGGGAGGCTGGAAAGAGGACCTTTGGAGCCATTGG  
 AAGGATCACAGGGTTGGACCCCGCTGAGCCTTACTTCCAGGGCACCCCTGAAGAAGTCCGACTGGACCCC  
 ACCGATGCTCAGTTTGTGGACGCAATTCACACAGACGCCGGGCCATTATCCCAACTTAGGATTTGGAA  
 TGAGCCAGACTGTGGTCACTTAGATTTCTTTCCAACGAGGAATCGAAATGCCAGGATGCCAGAAGAA  
 TATTCTTTCCAAATGTTGACATCGACGGGATCTGGGAAGAACTCGAACTTTGCTGCCTGTAACCAC  
 TTAAGAAGCTACAAGTTTACACCGACAGCATCGTCAACCAACTGGCTTTGCTGGGTTCTCCTGTAGCT  
 CTTACAGTCTTTTACGGCAAATAAGTGCTTCCCATGTGGGAGTGGAGGATGCCCCAGATGGGTCAATTA  
 CGCTGACAGATACCTGGGAAAACAAGCAGACTCTACCAGACATTTTACCTCAACACCCGGTGATAAGAGC  
 AACTTCGCACGTTGGCGGTACCAGGTGACTGTCACCCTGTCTGGACAGAAGGTCCTGCGCACATTCTAG  
 TTTCTTTGTTGGAAATGGAGGAACTCTAAACAGTATGAAGTTTCAAGGGCTCTGCGACCCAGGTAC  
 TTCTCAGTCAATGAATTCGACTCTGATGTGGATGTTGGAGATTTGCAGAAGGTTAAATTTATTTGGTAC  
 AACAAATGTGATCAACCAACTCTACCAAGTGGGAGCATCAAGGATCACAGTGGAAAGAAATGATGGCA  
 GAGTGTCAACTTCTGTAGTCAAGAGACAGTGAGGGAAGACGTCCTGCTCACACTGTCTCCATGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_026925
- Insert Size:** 1398 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\\_026925.3](#), [NP\\_081201.2](#)

RefSeq Size: 1515 bp

RefSeq ORF: 1398 bp

Locus ID: 69060

UniProt ID: [Q6P8U6](#)

Cytogenetics: 19 54.46 cM

**Gene Summary:** Plays an important role in fat metabolism. It preferentially splits the esters of long-chain fatty acids at positions 1 and 3, producing mainly 2-monoacylglycerol and free fatty acids, and shows considerably higher activity against insoluble emulsified substrates than against soluble ones (By similarity).[UniProtKB/Swiss-Prot Function]