

## Product datasheet for **RN213572**

### **Pnlip (NM\_013161) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pnlip (NM_013161) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pnlip
Synonyms:	PANLI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213572 representing NM\_013161  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGATGCTGTGGACATTTGCAGTGTCTGGGAGCAGTAGCTGGAAAAGAAGTTTGCTTTGACAAAC  
 TCGGCTGCTTCAGTGATGATGCCCGTGGTCAGGAACCATAGACAGACCCTGAAAGCACTGCCCTGGAG  
 CCCAGCACAGATCAACACCCGCTTTCTCCTCTACACCAACGAGAACCAAGACAACCTACCAGAAAATTACT  
 TCAGATGCATCGAGTATCAGAACTCCAATTTCAAACGAACAGAAAAACCCGCATCATTATCCACGGCT  
 TCATTGACAAGGGAGAGGAGAAGTGGCTATCTGACATGTGCAAGAACATGTTCAAAGTGGAGAGTGTGAA  
 CTGCATCTGTGTGGACTGGAAAGGTGGCTCCCGGGCTACATACACCCAGGCTACCCAGAAGTCCGGGTC  
 GTGGGTGCAGAAGTGGCATTATTGGTTAACGTTCTGAAGTCTGACCTCGGTCATCCACCTGACAACGTCC  
 ACCTGATTGGCCACAGCCTGGGTTCCACGTTGCTGGGGAGGCAGAAAGAGGACATTCCGAGCTATTGG  
 GAGGATCACAGGGTTGGACGCGGCTGAACCTTACTTCCAGGGCACACCTGAAGAAGTCCGCTGGACCCC  
 ACCGATGCCAGTTTGTGGATGCAATTCACACAGATGCTGCACCCATCATCCCAACTTAGGATTTGGAA  
 TGAGCCAGACTGTGGTACCTAGATTTCTTCTAATGGAGGGATGGAATGCCTGGATGTCAGAAGAA  
 TATCCTTTCCAAATCGTTGACATCGACGGGATCTGGGAAGAACTCGCGACTTTGCTGCCTGTAACCAC  
 TTGAGAAGCTACAAATATTACACCGACAGTATCGTCAACCCGACTGGCTTCTCTGGCTTCTCCTGTAGCT  
 CTTACAATGTTTTTTCTGCAAATAAGTGCTTCCCATGTGGGAGTGAAGGATGCCACAGATGGGTCACTA  
 TGCTGACAAATACCCTGGGAAGACAAAAGAACTCTACCAGAAATTTACCTGAACACTGGTGACAAGAGC  
 AACTTCGCACGTTGGCGGTACCAGGTGACTGTCACCCTCTCTGGACAGAAGGTCAGTGGCACATTCTAG  
 TTTCTTTGTTTGGAAATGGAGGAACTCTAAACAGTATGAAGTTTTCAAGGGCTCTGCATCCAGGTGA  
 CACTCATGTCAAGGAATTTGACTCTGATGGATGTTGGAGATTTGCAGAAAGTTAAATTTATTTGGTAC  
 AACAAATGTGATCAACCCAACTCTACCCAAAGTGGAGCATCAAGGATTTCAAGTGAACGAAATGACGGCA  
 GAGTGTCAACTTCTGTAGTCAAGATACAGTGAAGGAGGATGTCCTGCTTACACTGTCTGCATGT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_013161

**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\\_013161.2](#), [NP\\_037293.1](#)

RefSeq Size: 1491 bp

RefSeq ORF: 1398 bp

Locus ID: 25702

UniProt ID: [P27657](#)

Cytogenetics: 1q55

**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.[UniProtKB/Swiss-Prot Function]