

## Product datasheet for **MG207575**

### **Pnliprp1 (NM\_018874) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pnliprp1 (NM_018874) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pnliprp1
Synonyms:	Plrp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207575 representing NM\_018874  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGATTCTCTGGACAATCCCTCTTTCTACTGGGAGCAGCTCAGGGGAAAGAGTTTGTATGACA  
 ACCTTGGATGCTTTCTGATGCTGAGCCCTGGGCAGGGACAGCTATCAGGCCCTAAAACCTCTCCCTTG  
 GAGCCCTGAGAAGATCAACACTCGCTTCTGCTCCACACCAATGAGAACCCAACCTCTTCCAGACTCTT  
 CAGCTTTCTGACCCATCGACCATTGAGGCCTCCAATTTTCAAGTTGCCAGGAAGACTCGGTTTCATCATCC  
 ATGGCTTCATAGACAAAGGAGAGGAGAAGTGGGTGGTTGACATGTGCAAGAACATGTTCCAAGTGGAGGA  
 GGTGAAGTGCATCTGCGTGGACTGGAAGAGAGGCTCTCAGACTACCTACACGCAGGCTGCCAACAAATGTG  
 CGAGTAGTGGGTGCCAGGTGGCTCAGATGATTGACATCCTTGTGAGAACTTCGACTACTCTGCTTCCA  
 AAGTCCACCTCATTGGCCACAGCCTAGGAGCCACGTGGCAGGGGAAGCAGGAAGTCGGACTCCAGGTCT  
 TGGCAGGATTACAGGACTGGATCCTGTAGAAGCAAATTTTGGGGAAACCCTGAAGAGGTCGGGCTCGAC  
 CCCTCGGATGCTGACTTTGTTGATGTGATTCACACAGATGCAGCTCCCTTGATCCCATCTTGGGCTTTG  
 GAACAAACCAAATGGTGGGGCACTTTGACTTCTCCCAACCGGAGGACAGTACATGCCCGGGTGCAGAA  
 GAACGCTCTGTACAGATTGTGGACATCGATGGCATCTGGTCAGGAACCCGGGACTTTGTGGCTTGAAC  
 CACCTGAGAAGCTACAAGTACTACTTAGAGAGCATCCTTAACCCAGATGGGTTTGTCTGCATACCCCTGCG  
 CTTCTACAGGGACTTTGAGTCTAACAAATGCTTCCCCTGCCAGATCAAGGCTGCCACAGATGGGTCA  
 CTATGCTGATAAGTTTGCCAACAATAAAGTGTGGAGCCACAGAAGTCTTCTGAAACACAGGAGAAGCC  
 AAGAAGTTTGCACGCTGGAGGTACCGTGTTCCTTGACATCTCTGGAAGGACGGTCACAGGCCAAGTCA  
 AAGTCTCTGTTTGGAAAGTAACGGCAATACTCGCCAGTGTGATATCTTCAAGGGAAATATCAAGCCCGG  
 TGCTACGCATTCCAATGAGTTTGTGATGCCAAGCTTGATGTGGGAACAATTGAGAAAGTCAAGTTTCTTTGG  
 AATAACACGCTGTTAAACCAAGTTTCCCAAAAGTGGGCGCAGCCAAGATCACTGTGCAAAAAGGGGAGG  
 AGCGGACAGACACAACCTCTGTAGTGAAGAGACCGTGAGAGAAGACATCCTGCTCACTCTTGTGCTTG  
 TAAAACCTCAGACACAATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207575 representing NM\_018874  
 Red=Cloning site Green=Tags(s)

MLILWTIPLFLLGAAQGKEVCYDNLGCFSDAEPWAGTAIRPLKLLPWSPEKINTRFLLHTNENPTAFQTL  
 QLSDPSTIEASNFQVARKTRFIIHGFIDKGEENWVDMCKNMFQVEEVNVCVDWKRGSQTTYTQAANNV  
 RVVGAQVAQMIDILVRNFDYSASKVHLIGHSLGAHVAGEAGSRTPGLGRITGLDPVEANFEGTPEEVRLD  
 PSDADFVDVIHTDAAPLIPFLGFGTNQMVGHDFFPNGGQYMPGCKKNALSQIVDIDGIWSGTRDFVACN  
 HLRYSKYYLESILNPDGFAAYPCASYRDFESNKCFPCPDQGPCPMGHYADKFANNTSVEPQKFLNTGEA  
 KNFARWRVYVSLTFSGRVTGQVKVSLFGSNGNTRQCDIFRGI IKPGATHSNEFDAKLDVGTIEKVKFLW  
 NNHVVNPSFPKVGAAKITVQKGEERTEHNFCSSEETVREDILLTLLPCKTSDTM

**TR**TRPLE - GFP Tag - V

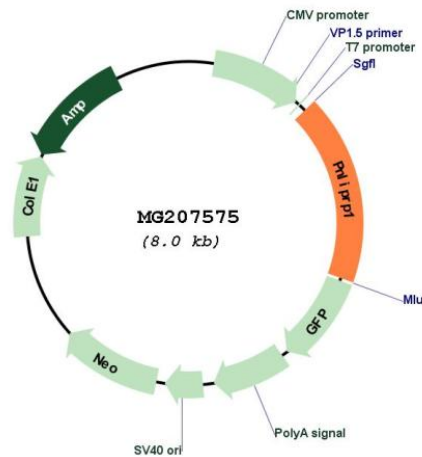
**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_018874

**ORF Size:** 1419 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:** [NM\\_018874.1](#), [NP\\_061362.1](#)

**RefSeq Size:** 1620 bp

**RefSeq ORF:** 1422 bp

**Locus ID:** 18946

**UniProt ID:** [Q5BKQ4](#)

**Cytogenetics:** 19 54.49 cM

**Gene Summary:** May function as inhibitor of dietary triglyceride digestion. Lacks detectable lipase activity (in vitro) (By similarity).[UniProtKB/Swiss-Prot Function]