

## Product datasheet for **MG207436**

### **Pnlip (NM\_026925) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pnlip (NM_026925) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pnlip
Synonyms:	1810007A24Rik; PL; PTL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207436 representing NM\_026925  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTAATGCTGTGGACATTTGCAGTGTCTGCTGGGAGCAGTAGCTGGAAGGGAAGTTTGCTTCGACAAAC  
 TCGGCTGCTTCAGTGATGATGCCCCCTGGTCAGGAAGCTTAGACAGACCCCTGAAAGCACTGCCCTGGAG  
 CCCAGCACAGATCAACACCCGCTTTCTCCTCTACACCAACGAGAATCCAGACAACCTACCAGCTAATTACT  
 TCAGATGCATCAAACATCAGAACTCCAATTTCCGAACAAACAGAAAAACCCGTATCATTATCCACGGCT  
 TCATCGACAAGGGAGAAGAAACTGGCTATCTGACATGTGCAAGAACATGTTCCGAGTGGAGAGTGTGAA  
 CTGCATCTGTGTGGACTGGAAAGGCGGTTCCCGAACGACATATACCCAGGCTACCCAGAACGTCCGGGTC  
 GTGGGGCAGAAGTGGCATTGTTGGTTAACGTTCTGCAGTCTGATCTGGGATACTCACTTAACAATGTCC  
 ACCTGATTGGCCACAGCCTGGGTTCCACATTGCTGGGGAGGCTGGAAAGAGGACCTTTGGAGCCATTGG  
 AAGGATCACAGGGTTGGACCCCGCTGAGCCTTACTTCCAGGGCACCCCTGAAGAAGTCCGACTGGACCCC  
 ACCGATGCTCAGTTTGTGGACGCAATTCACACAGACGCCGGGCCATTATCCCAACTTAGGATTTGGAA  
 TGAGCCAGACTGTGGTCACTTAGATTTCTTCCAAACGAGGAATCGAAATGCCAGGATGCCAGAAGAA  
 TATTCTTCCAAATTGTTGACATCGACGGGATCTGGGAAGGAAGCTGAAACTTTGCTGCCTGTAACCAC  
 TTAAGAAGCTACAAGTTTACACCGACAGCATCGTCAACCAACTGGCTTTGCTGGGTTCTCCTGTAGCT  
 CTTACAGTCTTTTACGGCAAATAAGTGCTTCCCATGTGGGAGTGGAGGATGCCCCAGATGGGTCAATTA  
 CGCTGACAGATACCTGGGAAAACAAGCAGACTCTACCAGACATTTTACCTCAACACCGGTGATAAGAGC  
 AACTTCGCACGTTGGCGGTACCAGGTACTGTACCCTGTCTGGACAGAAGGTCCTGGGCACATTCTAG  
 TTTCTTTGTTGGAAATGGAGGAAACTCTAAACAGTATGAAGTTTCAAGGGCTCTCTGCAGCCAGGTAC  
 TTCTCAGTCAATGAATTCGACTCTGATGTGGATGTTGGAGATTTGCAGAAGGTTAAATTTATTTGGTAC  
 AACAAATGTGATCAACCAACTCTACCAAGTGGGAGCATCAAGGATCACAGTGGAAAGAAATGATGGCA  
 GAGTGTCAACTTCTGTAGTCAAGAGACAGTGAGGGAAGACGTCCTGCTCACACTGTCTCCATGT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG207436 representing NM\_026925  
 Red=Cloning site Green=Tags(s)

MLMLWTFVLLGAVAGREVCDFKLGCFSDAPWSGTLDRPLKALPWSPAQINTRFLLYTNNPDNYQLIT  
 SDASNIRNSNFRTRNRKTRIIHGFIDKGEENWLSDMCKNMFVSVNVCVVDWKGSRRTTYTQATQNVRV  
 VGEVALLVNVLQSDLGYSLNNVHLIGHSLGSHIAGEAGKRTFGAIGRITGLDPAEYPYFGTPEEVRLDP  
 TDAQFVDAIHTDAGPIIPNLGFGMSQTVGHLDFFPNGGIEMPQCQKNILSQIVDIDGIWEGTRNFAACNH  
 LRSYKFYTDIVNPTGFAGFSCSSYSLFTANKCFPCGSGGCPQMGHYADRYPGKTSRLYQTFYLNLTGDKS  
 NFAWRWYQVTVTLGQKVTGHILVSLFGNGGNSKQYEVFKGSLQPGTSHVNEFSDVDVGDQLQKVKFIWY  
 NNVINPTLPKVGASRITVERNDGRVFNFCSETVREDVLLTSPC

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



ACCN: NM\_026925

ORF Size: 1395 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\\_026925.4](#)

RefSeq Size: 1515 bp

RefSeq ORF: 1398 bp

Locus ID: 69060

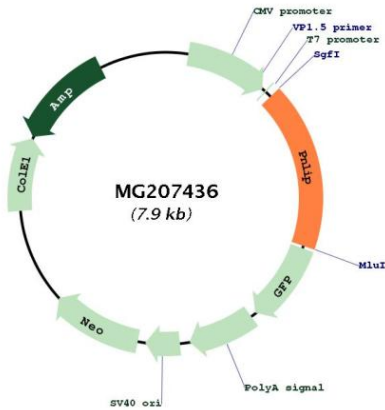
UniProt ID: [Q6P8U6](#)

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]

**Product images:**



Circular map for MG207436