

## Product datasheet for **MG207730**

### **Pnliprp2 (NM\_011128) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pnliprp2 (NM_011128) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pnliprp2
Synonyms:	PLRP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207730 representing NM\_011128  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCTATGGATGTCGGTGGATGTCTGTTCCATCCGTGCAGATGTTGCTCTGCTGGCTCGTCAGCCTTC  
 TGCTGGCCACAGTCGAGGGAAAGAGGTTTGTATGGACACCTTGATGCTTTTCCAATGACAAGCCCTG  
 GGCAGGGATGATTCAGCGGCCTTCAAGATATTCCTTGGTCCCCAGAGGACATTGATACCCGCTTCTT  
 CTGTACACAAACGAGAATCCAAACAACACAAATAATCTCTGCCACCGACCCAGCCACCATCAATGCTT  
 CCAACTTCCAAGTGGACCGCAAGACACGTTTCATTATCCATGGATTCATAGACAAGGGAGAAGAAGGCTG  
 GTTGCTGGACATGTGCAAGAAAATGTTTCAAGTGGAGAAAGTGAAGTGTATTTGCGTTGACTGGAAGCGC  
 GGATCCAGGACTGAATACACCCAAGCCTCTACAACACTCGGGTCTGGGCGCTGAGATTGCCTTCTTGG  
 TGCAAGTGTGTCGACAGAGATGGGTACAGCCAGAGAAGTGCACCTCATCGGCCACAGCTTGGGCTC  
 ACATGTGGCTGGGAAGCAGGCAGGAGGCTGGAGGGCCATGTGGGCGAGGATCACAGGGCTGGACCCTGCA  
 GAGCCCTGTTTCCAAGCCTGCCGAGGAAGTTCGGTTGGACCCATCGGATGCCATGTTTGTAGACGTGA  
 TCCACACTGACAGTGCCCCATAATCCCTATCTAGGTTTCGGAATGAGCAAAAAGTTCGGCCATCTGGA  
 TTTCTTTCCCAACGGAGGGAAGGAAATGCCGGATGTCAGAAAAACATCCTTTCCACCATGTTGATATC  
 AATGGAATATGGGAAGGAACTCGAACTTCGCAGCCTGCAACCACCTACGGAGCTACAAGTACTATGCCA  
 GCAGCATCCTCAACCCTGACGGCTTCTGGGGTACCCCTGTTCTCTCTATGAGAAGTTCAGCACAATGA  
 CTGCTTCCCTTGCCAGAACAAGGTGTCCAAAATGGGGCACTATGCTGATCAATTTGAGGGGAAAAC  
 GCTACTGTGGAACAAACCTTTTTCTGAATACAGGAGACAGTGGTAACTTTACTCGTTGGAGATACAAAG  
 TATCAGTACACTATCAGGAGCAAAGAAGCTGAGTGGTACATCTTGGTCTGCTGTACGGATGTAAACGG  
 AAACCTCAAAGCAGTATGAAGTTTTCAAAGGATCCCTCCAACCAGAAGCAAGATATATTCGTGACATTGAT  
 GTGGACGTCAACGTTGGAGAAATCCAGAAGTTAAGTTCCTCTGGAACAACAAGGTGATAAATCTCTTCC  
 GGCCCACTATGGGAGCTTCAAAATCACAGTGCAACGCGGTAAGACGGGAAAGATTCAACTTCTGTAG  
 CAGCAACACTGTGCATGAAGATGTTCTGCAGTCTCTGTACCCTTGT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207730 representing NM\_011128  
 Red=Cloning site Green=Tags(s)

MPMDVRGCLFPSVQMLLWLVSLLLATVGGKEVCYGHLGCFSDNDKPWAGMIQRPSKIFPWSPEDIDTRFL  
 LYTNENPNNYQIISATDPATINASNFQLDRKTRFIIHGFIDKGEEGWLLDMCKMFQVEKVNICVDWKR  
 GSRTEYTQASYNTRVVGAEIAFLVQVLSTEMGYSPENVHLIGHSLGSHVAGEAGRRLEGHVGRITGLDPA  
 EPCFQGLPEEVRLDPSDAMFVDVIHTDSAPIIPYLGFGMSQKVGHLDFPNGGKEMPQCQKNILSTIVDI  
 NGIWEGRNFAACNHLRSYKYASSILNPDGFLGYPCSSYEKQHNDCFPCEQGCQPKMGHYADQFEGKT  
 ATVEQTFFLNTGDSGNFTRWRYKVSVTLSGAKKLSGYILVALYGCNNGNSKQYEVFKGSLQPEARYIRDID  
 VDENVGEIQKVKFLWNNKVINLFRPTMGASQITVQRGDKGKEFNFCSSNTVHEDVLQSLYPC

**TRTRPLE** - GFP Tag - V

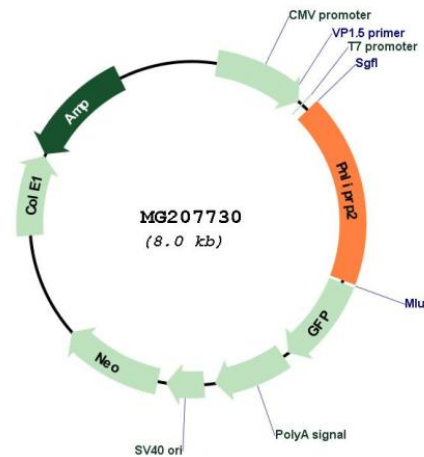
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_011128

ORF Size: 1446 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\\_011128.2](#), [NP\\_035258.2](#)

**RefSeq Size:** 1593 bp

**RefSeq ORF:** 1449 bp

**Locus ID:** 18947

**UniProt ID:** [P17892](#)

**Cytogenetics:** 19 D2

**Gene Summary:** Lipase with broad substrate specificity. Can hydrolyze both phospholipids and galactolipids. Acts preferentially on monoglycerides, phospholipids and galactolipids. Contributes to milk fat hydrolysis (By similarity).[UniProtKB/Swiss-Prot Function]