

## Product datasheet for **MC202076**

### Lypla1 (NM\_008866) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lypla1 (NM_008866) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lypla1
Synonyms:	APT-1; Gm39587; LPL-I; Pla1a
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC052848 sequence for NM\_008866  
AAGAGGTAATCCGGGAGCCCGAGTTCCTTCCGCTTCCGACGCACTGTCCGCCAGCCGGTGGATGTGCGG  
CAACAACATGTCCGCTCCGATGCCCGCGTGTGCGCGCCGCCGGAAGGCCACCCGCCGGTATTTTC  
CTTCACGGATTGGGAGATACAGGGCATGGATGGCAGAAAGCCTTTCAGGATATCAAAAGTCCCCACATCA  
AATACATCTGTCCACATGCCCTGTGATGCCAGTACATTAATATGAATATGGCTATGCCTTCTGGTT  
TGATATCGTTGGACTTTACCAGATTCCCAGGAAGATGAATCTGGAATTAACAGGCAGCAGAAACCGTA  
AAAGCCTTGATAGATCAAGAAGTGAAGAATGGCATTTCCTTCTAACAGGATTATTTGGGAGGATTTTCTC  
AGGGAGGCGCCTTGTCTTTATACACTGCTCTACCACACAGCAGAAACTGGCTGGTGTACTGCACTCAG  
TTGCTGGCTTCCACTTCGGGCTTCGTTTTACAGGGGCTGATCAACAGTGCTAATCGAGATATTTCCGTT  
CTCCAGTGCCATGGAGATTGTGACCCTTGTAGTCCCTAATGTTGGTTCTTACTGTTGAAAGACTAA  
AAGCATTGATAAATCCAGCCAATGTAACCTTCAAATCTATGAAGGCATGATGCACAGCTCATGTGACGA  
GGAAATGATGGATGTCAAGCACTTATTGATAAGCTCCTACCTCAATTGATTGACATCACTAAGAGGCC  
TTGAGTAGAAGTTCACCAGCATCACAGTAGTAGATAAACCTTCCCATGACTGACCATAGAATTC  
TAATGTGTGCAGTGTAAAATGTTTTGCAATACATACCAATGATACAGACTAAATGATGTTACCCTCAT  
GGGAAATATATGATCCTTTAAAGTGTCTATGCATATATTTGTATTATACAATTCAGAATATACTAAGTAT  
TACAGTAGGTAAGTGAAGCAACTAGATTCTTTGTCTCAAATTCAGCAAAATAAGATAACAACAGTTTTA  
TTACATCATTTGAAAATTACTAGTATGTTCTGTGAAGATGTGTTCAAGTAAGATGAAGTACTTCTTAG  
TTCTGTGAGTTAGACTATAGTTTACTTACAATTGTTCACTCAGTCTCCATGCAGTGTCTATTTTCTGTTT  
TATTCACATAGATGATACTATAATAGCTAAGAATCAGATGGTATTACATTATCCCTAATAATGGGGATAA  
TGCTTTTGAGTGTCAAAAAGTAATACTGCATTCTCAATTAATGGCCCTTCTATTGGGAGACCAGGCTTT  
TTTTCCCTCTATGTAATTTTTCTCAAGAAAAACAAGTTCTTTTTGATTTCCGTAGAAAATAATA  
TTGCCTCTGTGCATATATTTATTTGACATTTTGAGATACAGACATAGCCGGCGTGGTGGTGCATGC  
CTTTAATCCCAGCACTCGGGAGGCAGAGCAGGCGGATCTGTCAATAGCCTGGTCCACAGAGTGAGTT  
CCAGGACAGCCAGGGCTACACAGAGAAACCCTGTCTCGGAAACAACAACAACAACCGAAACACAGA  
CATACAGTATTTCCAACCTAGGTAATATGAAAAGAAATCAAACATTACTTAAGTTTATATATTTCAAATA  
ACTGCACCTTAGTCCAACCTTAGACTGTAGAGTTATAGACTCTCCAGTCTGGTAATAAATCTGTGGTTT  
TATTTTCTGTAAAACACTTAAAGGGGAAGTAATATCTTGGCATATTTAGAAATACTTGTGACTGGCTTC  
AAAATATAATTTCTAAATATCTTATAGCCGATTTAAGTTTACATTTTCTGTACATGTTATGCTTAAAA  
CCAAATACTGTTCAAGATGAGCAATCAGACTTATGTTTTATTTTATCTGGGTAACATATATTTTGAAA  
TTTTCATCTTAAGTAAAGGAGCTTTTGATAATCAGTCTCCTGTACAAATATTAATAAATAATTTGATTT  
TAATCATCAGCATGTTCAAATACTGGTGAATAATTTAATAAAGGACTGGTTAGAACATTATATAT  
ATATCCCATATTTATAACTGTTACCACACAGTTGAATATGTTGCAAAAATATGTTTACTTCTGAACGGT  
TGCTTTTCTTGCTGTTTTCCAACCAACCAAGAAGCACCTTTATAAACAGGTGCTAATTGATATGAAGATC  
ATTTTGGTATATCCTAGATAGAATGAAGCCAAATGTCTGGATTTAAAACAATTTCAAACAATCATTTACT  
ATTTTGTCTTACTTTAAAGAACAATAATTTACTTCAGTTATTCTATCTGTAAAGATTTATTTGGTATAAG  
AAATATCCATTGACTGTGTGCTGTAATGTGGGAAAATGTCATGTTTTTACAGTTTCTATCAATGTGAA  
ATAAAATTTAATTTTGGCTTTTTAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM\_008866
- Insert Size:** 693 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:** [BC052848](#), [AAH52848](#)

**RefSeq Size:** 2530 bp

**RefSeq ORF:** 693 bp

**Locus ID:** 18777

**UniProt ID:** [P97823](#)

**Cytogenetics:** 1 A1

**Gene Summary:** Hydrolyzes fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins or HRAS. Has depalmitoylating activity toward KCNMA1. Has low lysophospholipase activity (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).