

## Product datasheet for **RR207311**

### Lypla1 (NM\_013006) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Lypla1 (NM\_013006) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Lypla1  
 Synonyms: 25KDL; Pla1a  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RR207311 representing NM\_013006  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGCGGCAACAACATGTCCGCCCGATGCCCGCGTTGTGCCCGCCCGGAAGGCCACCGCCGCGG  
 TTATTTTCCTTCACGGATTGGGAGATACTGGGCACGGATGGGCAGAAGCCTTCGCAGGTATCAAAGTTC  
 CCACATCAAATACATCTGTCCACATGCGCCTGTTATGCCAGTCACACTAAACATGAGTATGATGATGCCT  
 TCTTGGTTTGATATTATGGACTTTCACCAGATCCCAGGAGGATGAATCTGGAATTAAGCAGCGGCAG  
 AAAGTGTAAAAGCCTTGATAGATCAAGAAGTGAAGAATGGCATTCTTCTAACAGAATTATTTGGGAGG  
 ATTTTCTCAGGGAGGCGCCTTATCTTTATACACTGCTCTCACCACACAGCAGAAACTGGCTGGTGTCACT  
 GCACTCAGTTGCTGGCTTCCACTTCGGGCTTCGTTTTACAGGGGCTATCAATAGTGCTAATCGAGATA  
 TTTCTGTTCTCCAGTGTGATGGAGACTGTGACCCCTTAGTTCCCTAATGTTTGGTTCTTACTGTTGA  
 AAGACTAAAAGGATTGGTAAATCCAGCCAATGTAACTTCAAAGTCTATGAAGGCATGATGCACAGCTCA  
 TGTCAGCAGGAAATGATGGATGTCAAGTACTTCATTGATAAGCTCCTACCTCAATTGAT

**ACGCGT**ACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR207311 representing NM\_013006  
Red=Cloning site Green=Tags(s)

MCGNNMSAPMPAVVPAARKATAAVIFLHGLGDTGHGWAEAFAGIKSSHIKYYICPHAPVMPVTLNMSMMMP  
 SWFDIIGLSPDSQEDESIGIKAAETVKALIDQEVKNGIPSNRILGGFSQGGALSLYALTTQQLAGVT  
 ALSWLPLRASFSQGPINSANRDISVLQCHGDCDPLVPLMFGSLTVERLKGLVNPANVTFKVYEGMMHSS  
 CQEMMDVKYFIDKLLPPID

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3511\\_h08.zip](https://cdn.origene.com/chromatograms/ja3511_h08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_013006

**ORF Size:** 690 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_013006.1](#), [NP\\_037138.1](#)

**RefSeq Size:** 2356 bp

**RefSeq ORF:** 693 bp

**Locus ID:** 25514

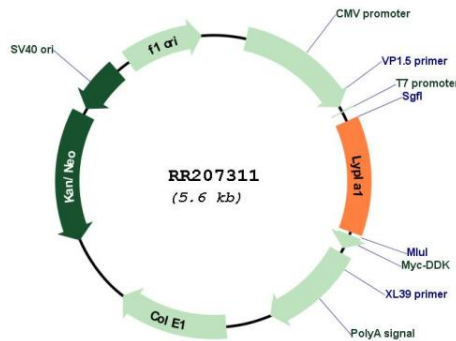
**UniProt ID:** [P70470](#)

**Cytogenetics:** 5q12

**MW:** 24.7 kDa

**Gene Summary:** may mediate cell death after hypoxic/ischemic cell injury [RGD, Feb 2006]

**Product images:**



Circular map for RR207311