

Product datasheet for **RN204578**

Lypla2 (NM_031342) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lypla2 (NM_031342) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lypla2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN204578 representing NM_031342 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTGTGGTAACAACATGTCTGTGCCCTGCTCACCGACGCAGCCACCGTGTCCGGAGCTGAGCGGGAAA
CGGCCCGGTTATTTTTTACATGGACTTGGAGACACAGGGCACAGCTGGGCTGACGCCCTCTCCACCAT
CCGGCTTCCTCATGTCAAGTACATCTGTCCCATGCGCCAGGATTCTGTGACTCAACATGAAGATG
GTAATGCCCTCCTGGTTTGACCTGATGGGGCTGAGTCCAGATGCCCCAGAGGATGAAGCTGGCATCAAGA
AGGCCGCAGAGAACATCAAGGCTTTGATTGAACACGAGATGAAGAACGGGATTCTTGCCAACCGAATCGT
CCTGGGTGGCTTTTCGCAGGGTGGGGCCCTGTCCCTCTATACAGCACTTACCTGCCCCACCCTCTGGCC
GGCATCGTGGCTTTGAGCTGCTGGCTGCCTCTGCACCGGAACTTCCCCAAGCAGCCAATGGCAGTGCCA
AGGACCTGGCCATCCTTCAATGCCACGGCGAGCTGGACCCATGGTACCTGTTTCGGTTTGGGGCCCTGAC
AGCTGAGAAGCTCCGGACAGTTGTACACCTGCCAGGGTCCAGTTAAGACATACCCAGGTGTCATGCAC
AGCTCCTGTCTCAGGAGATGGCAGCTGTAAGGAATTTCTGGAGAACTTCTGCCTCCGGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_031342
Insert Size:	696 bp



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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 or by calling 301.340.3188 option 3 for pricing and delivery.

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: [NM_031342.1](#), [NP_112632.1](#)

RefSeq Size: 1536 bp

RefSeq ORF: 696 bp

Locus ID: 83510

UniProt ID: [Q9QYL8](#)

Cytogenetics: 5q36

Gene Summary: mouse homolog displays preferential activity on zwitterionic lysophospholipid substrates; mouse and rat homolog share the Gly-X-Ser-X-Gly esterase/lipase consensus sequence [RGD, Feb 2006]