

## Product datasheet for **SC324073**

### LYPLA2 (NM\_007260) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LYPLA2 (NM_007260) Human Untagged Clone
Tag:	Tag Free
Symbol:	LYPLA2
Synonyms:	APT-2; APT2; DJ886K2.4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_007260.2  
 GTGTCTGCGGGAGAAAGAGGAGAATCGCCCAAGCGGCCTCGGAAGTCCCAGGGAGTGGAG  
 GCGCCCGCGTGGAGCCGTGTGGTGTATGTGTGGTAACACCATGTCTGTGCCCTGCTCA  
 CCGATGCTGCCACCGTGTCTGGAGCTGAGCGGGAAACGGCCGCGGTTATTTTTTACATG  
 GACTTGGAGACACAGGGCACAGCTGGGCTGACGCCCTCTCCACCATCCGGCTCCCTCACG  
 TCAAGTACATCTGTCCCCATGCGCCTAGGATCCCTGTGACCCTCAACATGAAGATGGTGA  
 TGCCCTCCTGGTTTGACCTGATGGGGCTGAGTCCAGATGCCCCAGAGGACGAGGCTGGCA  
 TCAAGAAGGCAGCAGAGAACATCAAGGCCTTGATTGAGCATGAAATGAAGAACGGGATCC  
 CTGCCAATCGAATCGTCCTGGGAGGCTTTTACAGGGCGGGGCCCTGTCCCTCTACACGG  
 CCCTCACCTGCCCCACCTCTGGCTGGCATCGTGGCGTTGAGCTGCTGGCTGCCTCTGC  
 ACCGGGCTTCCCCAGGCAGCTAATGGCAGTGCCAAGGACCTGGCCATACTCCAGTGCC  
 ATGGGGAGCTGGACCCCATGGTGCCGTACGGTTTGGGGCCCTGACGGCTGAGAAGCTCC  
 GGTCTGTGTACACCTGCCAGGTCCAGTTCAAGACATACCCGGGTGTCATGCACAGCT  
 CCTGTCCTCAGGAGATGCCAGCTGTGAAGGAATTTCTTGAGAAGCTGCTGCCTCCTGTCT  
 AACTAGTCGCTGGCCCCAGTGACGTACCCAGCTCATGGGGGACTCAGCAAGCAAGCGTG  
 GCACCATCTTGGATCTGAGCCGGTGCAGGCCCTGTCCCCACCCTTCTGACCTGTCTTT  
 TCCCACAGGCCTCTGGGGCAGGTGGCAAGGCCTGGCCGGGCCTTCTTCTGGCCTTAG  
 CCACCTGGCTCTGTCTGCAGCAGGGCAGGCTGCTTTCTATCCATTTCCCTGGAGGCGG  
 GCGCCCTTGGCAGCAGTATTGGAGGGGCTACAGGCAGCTGGAGAAAGGGGCCAGCCGCT  
 GACCCACTCACTCAGGACCTCACTCACTAGCCCCGCTTTGGGGCCCTCCTGTGACCTCA  
 GGGTTTGGCCATGGGGCCCTCCAGGCCCTGCCCACTGATTCTGCCAGATAATCG  
 TGTCTCCTGCCTCACTCAGCTGCTTCTCAGTCATGAATGTGGCCATGGCCCCGGGTCC  
 CCTTGCTGCTGTGGCTCCCTGTCCCTGGCAGGAGTGTGGTGGAGGAGTGGAGCCTTT  
 TGAGGGGGCCTTCCCTCAGCTGTTTCCACACTGGGGGCTGGGCCCTGCCTCCCGT  
 TACCCTCCTTCCCTGCAGCCTGGAGCCTGTAGGGCTGGACTGAGGTTTCAAGTCTCCCC  
 CAGCTGTCTACCCCACTTTGTCCCACTCTAGAGCAGGGAGGCAGTGGGGGAGGAGTT  
 GTGTCTCGTCTTGTCTCCATGTGGTTTTTGGGTGTTTTTCTTGTGTCTCCTGGATT  
 CGATAAAATTAAGAAATTGCTTCTCAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** ECoRI-NOT

**ACCN:** NM\_007260

**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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_007260.2</a> , <a href="#">NP_009191.1</a>
<b>RefSeq Size:</b>	1648 bp
<b>RefSeq ORF:</b>	696 bp
<b>Locus ID:</b>	11313
<b>UniProt ID:</b>	<a href="#">O95372</a>
<b>Cytogenetics:</b>	1p36.11
<b>Domains:</b>	abhydrolase_2
<b>Protein Pathways:</b>	Glycerophospholipid metabolism
<b>Gene Summary:</b>	Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. There are alternatively spliced transcript variants described for this gene but the full length nature is not known yet. [provided by RefSeq, Jul 2008]