

## Product datasheet for **SC313552**

### PLA1A (NM\_015900) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PLA1A (NM_015900) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLA1A
Synonyms:	PS-PLA1; PSPLA1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_015900 edited  
 CTCCATACCAGCTCTGAGATTTCCAGCTCAGCGATGCCCCAGGTCCCTGGGAGAGCTGC  
 TTCTGGGTGGGGGCCTCATTTTGTGGCTCAGCGTTGGAAGTTCAGGGGATGCACCTCCT  
 ACCCCACAGCCAAAGTGCCTGACTTCCAGAGCGCAACCTTTTTGAAGGCACCGATCTC  
 AAAGTCCAGTTTCTCCTTTTGTCCCTCGAATCCTAGCTGTGGGAGCTAGTAGAAGGA  
 AGCAGTGACCTCCAAAACCTGGGTTCAATGCCACTCTGGGAACCAAACTAATTATCCAT  
 GGATTCAGGGTTTTAGGAACAAAGCCTTCTGGATTGACACATTTATTAGAACCCTTCTG  
 CGTGCAACGAATGCTAATGTGATTGCCGTGGACTGGATTTATGGGTCTACAGGAGTCTAC  
 TTCTCAGCTGTGAAAAATGTGATTAAGTTGAGCCTCGAGATCTCCCTTTTCTCAATAAA  
 CTCCTGGTGTGGGTGTGTCGGAATCCTCAATCCACATCATTGGTGTAGCCTGGGGGCC  
 CACGTTGGGGGCATGGTGGGACAGCTCTTCGGAGGCCAGCTGGGACAGATCACAGGCCTG  
 GACCCCGTGGACCTGAGTACACCAGGGCCAGTGTGAAGAGCGCTTGGATGCTGGAGAT  
 GCCCTCTCGTGAAGCCATCCACACAGACACCGACAATTTGGGTATTCCGATCCCGTT  
 GGACATGTGGACTACTTCGTCAACGGAGGCCAAGACCAACCTGGTGCCCACTTCTTT  
 TACGCAGTTATAGTTATCTGATCTGTGATCACATGAGGGCTGTGCACCTCTACATCAGC  
 GCCTGGAGAATTCTGTCCACTGATGGCTTTCCCTGTGCCAGCTACAAGGCCTTCCTT  
 GCTGGACGCTGTCTGGATTGCTTTAACCTTTTCTGCTTTCCTGCCAAGGATAGGACTG  
 GTGGAACAAGGTGGTGTCAAGATAGAGCCGCTCCCAAGGAAGTAAAAGTCTACCTCCTG  
 ACTACTCCAGTGTCCGTACTGCATGCATCACAGCCTCGTGGAGTTTCACTTGAAGGAA  
 CTGAGAAACAAGGACCAACATCGAGGTTACCTTCTTAGCAGTAACATCACCTTTCA  
 TCTAAGATCACCATACTAAGCAGCAACGCTATGGGAAAGGAATCATAGCCCATGCCACC  
 CCACAATGCCAGATAAACCAAGTAAAATTCAAGTTTCAGTCTTCCAACCGAGTTTGGAAA  
 AAAGACCGGACTACCATTATTGGGAAGTCTGCACTGCCCTTTTGCCTGTCAATGACAGA  
 GAAAAGATGGTCTGCTTACCTGAACCAAGTGAACCTACAAGCAAGTGTGACTGTTTCTGT  
 GACCTGAAGATAGCCTGTGTAGTTTAACTGGGAGGACACATCTCCCTGCATTTTTT  
 TTTTTTTTTGAGAGAGAGGTGTGATGAGGGATGTGTGTGCAGCTTATTGTAGACCAT  
 TACTACTAAGGAGAAAAGCAAAGCTTTTCTTATTTTCTCATAATCAGCTACCTGGAG  
 GGGAGGGAGAACTCATTTTACAGAACTTGGTTTCTTTGCCGATCTTATGTACATACCCA  
 TTTTAGCTTTCCATGCATACTTAAGTCACTTGTCTTATCTCCTTGGGCATTCTGACTT  
 AGGATTCAATAGAAACATGTACAGGTAACAATTTTTTAAAAATAAACTTCATGGAGT  
 ATCTGAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_015900

**Insert Size:** 1800 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](#)

<b>OTI Annotation:</b>	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_015900.1</a> , <a href="#">NP_056984.1</a>
<b>RefSeq Size:</b>	1758 bp
<b>RefSeq ORF:</b>	1371 bp
<b>Locus ID:</b>	51365
<b>UniProt ID:</b>	<a href="#">Q53H76</a>
<b>Cytogenetics:</b>	3q13.33
<b>Domains:</b>	lipase
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a phospholipase that hydrolyzes fatty acids at the sn-1 position of phosphatidylserine and 1-acyl-2-lysophosphatidylserine. This secreted protein hydrolyzes phosphatidylserine in liposomes. Three transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, May 2011]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>