

Product datasheet for **SC331722**

PLA1A (NM_001206961) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PLA1A (NM_001206961) Human Untagged Clone
Tag: Tag Free
Symbol: PLA1A
Synonyms: PS-PLA1; PSPLA1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331722 representing NM_001206961.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGTGGGACAGCTCTTCGGAGGCCAGCTGGGACAGATCACAGGCCTGGACCCCGCTGGACCTGAGTAC
ACCAGGGCCAGTGTGGAAGAGCGCTTGGATGCTGGAGATGCCCTCTTCGTGGAAGCCATCCACACAGAC
ACCGACAATTTGGGTATTCGGATTCCCCTGGACATGTGGACTACTTCGTCAACGGAGGCCAAGACCAA
CCTGGCTGCCACCTTCTTTACGCAGGTTATAGTTATCTGATCTGTGATCACATGAGGGCTGTGCAC
CTCTACATCAGCGCCCTGGAGAATTCCTGTCCACTGATGGCCTTCCCTGTGCCAGTACAAGGCCCTTC
CTTGCTGGACGCTGTCTGGATTGCTTTAACCTTTTCTGCTTTCCTGCCAAGGATAGGACTGGTGGAA
CAAGGTGGTGTCAAGATAGAGCCGCTCCCAAGGAAGTAAAGTCTACCTCCTGACTACTCCAGTGCT
CCGTA CTGCATGCATCACAGCCTCGTGGAGTTTCACTTGAAGGAAGTGAAGAAACAAGGACACCAACATC
GAGGTTACCTTCTTAGCAGTAACATCACCTCTTCATCTAAGATCACCATACCTAAGCAGCAACGCTAT
GGGAAAGGAATCATAGCCCATGCCACCCCAACAATGCCAGATAAACCAAGTAAATTCAGTCT
TCCAACCGAGTTTGAAAAAAGACCGGACTACCATTATTGGGAAGTCTGCACTGCCCTTTGCCTGTC
AATGACAGAGAAAAGATGGTCTGCTTACCTGAACCAGTGAAGTACAAGCAAGTGTGACTGTTTCCTGT
GACCTGAAGATAGCCTGTGTAG
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001206961
Insert Size: 852 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).



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Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_001206961.1</u>
RefSeq Size:	1647 bp
RefSeq ORF:	852 bp
Locus ID:	51365
UniProt ID:	<u>Q53H76</u>
Cytogenetics:	3q13.33
Protein Families:	Druggable Genome, Secreted Protein
MW:	31.3 kDa
Gene Summary:	<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 (3) lacks an alternate coding exon compared to variant 1. The resulting isoform (3) uses a downstream AUG start site and is shorter at the N-terminus compared to isoform 1.</p>