

Product datasheet for **SC331721**

PLA1A (NM_001206960) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PLA1A (NM_001206960) Human Untagged Clone
Tag: Tag Free
Symbol: PLA1A
Synonyms: PS-PLA1; PSPLA1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331721 representing NM_001206960.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCCCAGGTCCTGGGAGAGCTGCTTCTGGGTGGGGGCCTCATTTTGTGGCTCAGCGTTGGAAGT
TCAGGGGATGCACCTCTACCCACAGCCAAAGTGCCTGACTTCCAGAGCGCCAACCTTTTGAAGGC
ACCGATCTCAAAGTCCAGTTTCTCTCTTTGTCCCTTGAATCCTAGCTGTGGCAGCTAGTAGAAGGA
AGCAGTGACCTCCAAAACCTGGGTTCAATGCCACTCTGGGAACCAAATAATTATCCATGGATTCCAGG
GTTTTAGGAACAAAGCCTTCTGGATTGACACATTTATTAGAACCCTTCTGCGTGAACGAATGCTAAT
GTGATTCCGCTGGACTGGATTTATGGGTCTACAGGAGTCTACTTCTCAGCTGTGAAAAATGTGCTGGGT
GTGTCGGAATCCTCAATCCACATCATTGGTGTTAGCCTGGGGGCCACGTTGGGGGCATGGTGGGACAG
CTCTTCGGAGGCCAGCTGGGACAGATCACAGGCCTGGACCCCGCTGGACCTGAGTACACCAGGGCCAGT
GTGGAAGAGCGCTTGGATGCTGGAGATGCCCTTTCGTGGAAGCCATCCACACAGACACCGACAATTTG
GGTATTCGGATTCCCCTTGGACATGTGGACTACTTCGTCAACGGAGGCCAAGACCAACCTGGCTGCCCC
ACCTTCTTTTACGCAGGTTATAGTTATCTGATCTGTGATCACATGAGGGCTGTGCACCTCTACATCAGC
GCCCTGGAGAATTCCTGTCCACTGATGGCCTTTCCTGTGCCAGCTACAAGGCCTTCCTTGCTGGACGC
TGCTGGATTGCTTTAACCTTTTCTGCTTTCCTGCCAAGGATAGGACTGGTGGAAACAAGGTGGTGTC
AAGATAGAGCCGCTCCCAAGGAAGTAAAGTCTACCTCCTGACTACTTCCAGTGCTCCGTACTGCATG
CATCACAGCCTCGTGGAGTTTCACTTGAAGGAAGTGAAGAAACAAGGACACCAACATCGAGGTTACCTTC
CTTAGCAGTAACATCACCTTTCATCTAAGATCACCATACCTAAGCAGCAACGCTATGGAAAGGAATC
ATAGCCCATGCCACCCACAATGCCAGATAAACCAAGTAAAATTCAAGTTTCAGTCTTCCAACCGAGTT
TGGAAAAAAGACCGGACTACCATTTGGGAAGTTCTGCACTGCCCTTTTGCCTGTCAATGACAGAGAA
AAGATGGTCTGCTTACCTGAACCAGTGAACCTACAAGCAAGTGTGACTGTTTCTGTGACCTGAAGATA
GCCTGTGTGTAG
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Restriction Sites: SgfI-MluI
ACCN: NM_001206960
Insert Size: 1323 bp



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| 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). |
| 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: | NM_001206960.1 |
| RefSeq Size: | 1801 bp |
| RefSeq ORF: | 1323 bp |
| Locus ID: | 51365 |
| UniProt ID: | Q53H76 |
| Cytogenetics: | 3q13.33 |
| Protein Families: | Druggable Genome, Secreted Protein |
| MW: | 47.9 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 (2) uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p> |