

Product datasheet for **SC327065**

PLA2G4C (NM_001159323) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLA2G4C (NM_001159323) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLA2G4C
Synonyms:	CPLA2-gamma
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001159323, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGGAAGCTCTGAAGTTCCATAATTCCTGGGCTCCAGAAAGAAGAAAAGGCGGCCGTG GAGAGACGAAGACTTCATGTGCTGAAAGCTCTGAAGAAGCTAAGGATTGAGGCTGATGAG GCCCCAGTTGTTGCTGTGCTGGGCTCAGGCGGAGGACTGCGGGCTCACATTGCCTGCCTT GGGTCTGAGTGAGATGAAAGAACAGGGCCTGTTGGATGCCGTACGTACCTCGCAGGG GTCTCTGGATCCACTTGGGCAATATCTTCTCTCTACACCAATGATGGTGACATGGAAGCT CTCGAGGCTGACCTGAAACATCGATTTACCCGACAGGAGTGGGACTTGGCTAAGAGCCTA CAGAAAACCATCCAAGCAGCGAGGTCTGAGAATTACTCTCTGACCGACTTCTGGGCTAC ATGTTTATCTCTAAGCAAACCAGAGAACTGCCGGAGTCTCATTTGTCCAATATGAAGAAG CCCGTGGAAAGAAGGGACTACCCTACCAATATTTGCAGCCATTGACAATGACCTGCAA CCTTCTGGCAGGAGCAAGAGCACCAGAGACCTGGTTCGAGTTCACCCCTACCACGCT GGTTCTCTGCACTGGGGCCTTTGTTTCCATAACCCACTTCGGAAGCAAATTCAAGAAG GGAAGACTGGTCAGAACTCACCTGAGAGAGACCTGACTTTCCTGAGAGGTTTATGGGGA AGTGCTCTTGGTAACACTGAAGTCATTAGGGAATACATTTTTGACCAGTTAAGGAATCTG ACCTGAAAGGTTTATGGAGAAGGGCTGTTGCTAATGCTAAAAGCATTGGACACCTTATT TTTGCCCGATTACTGAGGCTGCAAGAAAGTTCACAAGGGGAACATCTCCCCAGAAAGAT GAAGGCGGTGAGCCTGAACACACCTGGCTGACTGAGATGCTCGAGAATTGGACCAGGACC TCCCTGGAAAAGCAGGAGCAGCCCATGAGGACCCCGAAAGGAAAGGCTCACTCAGTAAC TTGATGGATTTTGTGAAGAAAACAGGCATTTGCGCTTCAAAGTGGGAATGGGGGACCACT CACAACCTCCTGTACAAACACGGTGGCATCCGGGACAAGATAATGAGCAGCCGGAAGCAC CTCCACCTGGTGGATGCTGGTTTAGCCATCAACACTCCCTTCCCACTCGTGTGCCCCCG ACGCGGGAGGTTACCTCATCCTCCTTCGACTTCAGTGCCGGAGATCCTTTCGAGACC ATCCGGGCTACCACTGACTACTGCCGCCACAAGATCCCTTTCCCAAGTAGAAGAG GCTGAGCTGGATTTGTGTTCCAAGGCCCCGCCAGCTGCTACATCCTGAAAGGAGAACT GGACCAGTGGTATGATTTTCCCTGTTCAACATAGATGCTGTGGAGGTGATATTGAG GCATGGAGTGACACATACGACACATTCAAGCTTGTGACACCTACTCTAGATGTGGTG GTGCTACTCTGGCATTAGCCAAGAAGAATGTCAGGGAAAACAAGAAGAAGATCCTTAGA GAGTTGATGAACGTGGCCGGG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001159323
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).
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.
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_001159323.1](#), [NP_001152795.1](#)

RefSeq Size: 2567 bp

RefSeq ORF: 1584 bp

Locus ID: 8605

UniProt ID: [Q9UP65](#)

Cytogenetics: 19q13.33

Gene Summary: This gene encodes a protein which is a member of the phospholipase A2 enzyme family which hydrolyzes glycerophospholipids to produce free fatty acids and lysophospholipids, both of which serve as precursors in the production of signaling molecules. The encoded protein has been shown to be a calcium-independent and membrane bound enzyme. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2009]

Transcript Variant: This variant (3) uses an alternate splice site in the 3' coding region which results in a frameshift compared to variant 1. The resulting protein (isoform 3) is shorter and has a distinct C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.