

Product datasheet for **RC233639**

PLA1A (NM_001206961) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PLA1A (NM_001206961) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PLA1A
Synonyms: PS-PLA1; PSPLA1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC233639 representing NM_001206961
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGGGACAGCTCTTCGGAGGCCAGCTGGGACAGATCACAGGCCTGGACCCGCTGGACCTGAGTACA
CCAGGGCCAGTGTGGAAGAGCGCTTGGATGCTGGAGATGCCCTCTTCGTGGAAGCCATCCACACAGACAC
CGACAATTTGGGTATTCGGATTCGGTTGGACATGTGGACTACTTCGTCAACGGAGGCCAAGACCAACCT
GGCTGCCCCACCTTCTTTACGCAGGTTATAGTTATCTGATCTGTGATCACATGAGGGCTGTGCACCTCT
ACATCAGCGCCCTGGAGAATTCCTGTCCACTGATGGCCTTTCCTGTGCCAGCTACAAGGCCTTCCCTTGC
TGGACGCTGTCTGGATTGCTTTAACCTTTTCTGCTTTCCTGCCAAGGATAGGACTGGTGGAAACAAGGT
GGTGTCAAGATAGAGCCGCTCCCAAGGAAGTGAAGTCTACCTCCTGACTACTTCCAGTGTCCGTA
GCATGCATCACAGCCTCGTGGAGTTTCACTTGAAGGAAGTGAAGAAACAAGGACACCAACATCGAGGTTAC
CTTCTTAGCAGTAACATCACCTCTTCACTAAGATCACCATACCTAAGCAGCAACGCTATGGGAAAAGGA
ATCATAGCCCATGCCACCCACAATGCCAGATAAACCAAGTGAATTCAGTTCAGTCTTCCAACCGAG
TTTGAAAAAAGACCGGACTACCATTATTGGGAAGTTCTGCACTGCCCTTTTGCCTGTCAATGACAGAGA
AAAGATGGTCTGCTTACCTGAACCAGTGAACCTACAAGCAAGTGTGACTGTTTCTGTGACCTGAAGATA
GCCTGTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233639 representing NM_001206961
 Red=Cloning site Green=Tags(s)

MVGQLFGGQLGQITGLDPAGPEYTRASVEERLDAGDALFVEAIHTDNTDNLGIRIPVGHVDYFVNGGQDQP
 GCPTFFYAGYSYLICDHMRAVHLYISALENSCLMAFPKASYKAFLAGRCLDCFNPFLSCPRIGLVEQG
 GVKIEPLPKVKVYLLTTSSAPYCMHSLVEFHLKELRNKDTNIEVTFLSSNITSSSKITIPKQRYGKG
 IIAHATPQCQINQVKFKFQSSNRVWKKDRTTIIGKFCCTALLPVNDREKRVCLPEPVNLQASVTVSCDLKI
 ACV

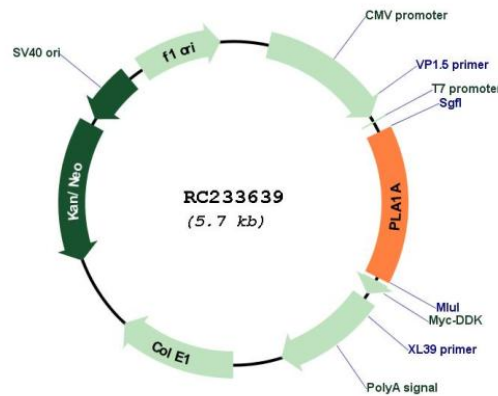
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001206961

ORF Size: 849 bp

OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001206961.1 , NP_001193890.1
RefSeq Size:	1647 bp
RefSeq ORF:	852 bp
Locus ID:	51365
UniProt ID:	Q53H76
Cytogenetics:	3q13.33
Protein Families:	Druggable Genome, Secreted Protein
MW:	31.7 kDa
Gene Summary:	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]