

Product datasheet for SC336142

PLA1A (NM_001293225) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLA1A (NM_001293225) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLA1A
Synonyms:	PS-PLA1; PSPLA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336142 representing NM_001293225. Blue=Insert sequence Red=Cloning site Green=Tag(s)

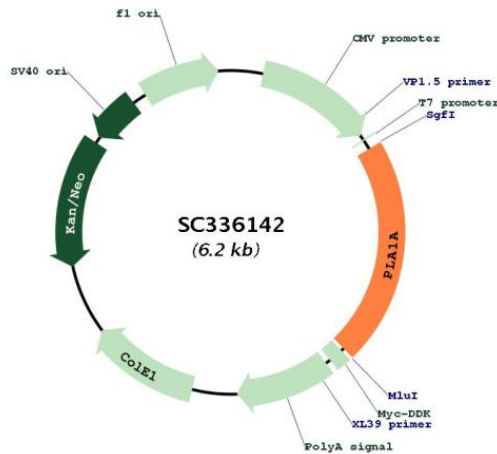
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001293225

Insert Size: 1323 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).

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_001293225.1](#)

RefSeq Size: 1844 bp

RefSeq ORF: 1323 bp

Locus ID: 51365

Cytogenetics: 3q13.33

Protein Families: Druggable Genome, Secreted Protein

MW: 48.1 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]

Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded protein (isoform 4) has a shorter and distinct N-terminus, compared to isoform 1.