

Product datasheet for RC236333

Lysophospholipase 1 (LYPLA1) (NM_001279359) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lysophospholipase 1 (LYPLA1) (NM_001279359) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LYPLA1
Synonyms: APT-1; APT1; hAPT1; LPL-I; LPL1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236333 representing NM_001279359
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGCAGAAGCCTTTGCAGGCCTGTTAGGCCTGTTACATTAATATGAACGTGGCTATGCCTTCATGGT
 TTGATATTATTGGGCTTTCACCAGATTCACAGGAGGATGAATCTGGGATTAACAGGCAGCAGAAAAAT
 AAAAGCTTTGATTGATCAAGAAGTGAAGAATGGCATTCTTCTAACAGAATTATTTGGGAGGGTTTCT
 CAGGGAGGAGCTTTATCTTTATATACTGCCCTTACCACACAGCAGAACTGGCAGGTGTCCTGACTCA
 GTTGCTGGCTTCCACTTCGGGCTTCCTTCCACAGGGTCTATCGGTGGTGTAAATAGAGATATTCTAT
 TCTCCAGTGCCACGGGGATTGTGACCCCTTGGTCCCCTGATGTTTGGTCTCTTACGGTGGAAAACTA
 AAAACATTGGTGAATCCAGCCAATGTGACCTTTAAAACCTATGAAGGTATGATGCACAGTTCGTGTCAAC
 AGGAAATGATGGATGTCAAGCAATTCATTGATAAACTCCTACCTCCAATTGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236333 representing NM_001279359
 Red=Cloning site Green=Tags(s)

MGRSLCRPVRPVTLNMNVAMPWFDIIGLSPDSQEDESGIKQAENIKALIDQEVKNGIPSNRIILGGFS
 QGGALSLYALTTQQLAGVTALSCWLPLRASFPQGPIGGANRDISILQCHGDCDPLVPLMFGSLTVEKL
 KTLVNPANVTFKTYEGMMHSSCQEMMDVKQFIDKLLPPID

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

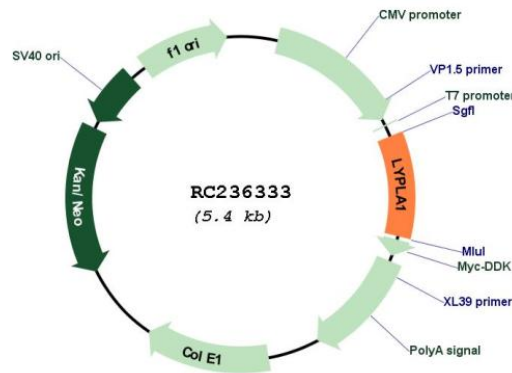


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_001279359

ORF Size: 543 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_001279359.2 |
| RefSeq Size: | 2556 bp |
| RefSeq ORF: | 546 bp |
| Locus ID: | 10434 |
| UniProt ID: | O75608 |
| Cytogenetics: | 8q11.23 |
| Protein Pathways: | Glycerophospholipid metabolism |
| MW: | 20.1 kDa |
| Gene Summary: | This gene encodes a member of the alpha/beta hydrolase superfamily. The encoded protein functions as a homodimer, exhibiting both depalmitoylating as well as lysophospholipase activity, and may be involved in Ras localization and signaling. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene have been defined on chromosomes 4, 6, and 7. [provided by RefSeq, Jul 2013] |