

Product datasheet for **RC236208**

Lysophospholipase 1 (LYPLA1) (NM_001279360) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lysophospholipase 1 (LYPLA1) (NM_001279360) 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: >RC236208 representing NM_001279360
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGTGGCTATGCCTTCATGGTTTGATATTATTGGGCTTTCACCAGATTCACAGGAGGATGAATCTG
GGATTAACAGGCAGCAGAAAATATAAAGCTTTGATTGATCAAGAAGTGAAGAATGGCATTCTCTAA
CAGAATTATTTGGGAGGTTTTCTCAGGAGGAGCTTTATCTTATATACTGCCCTTACCACACAGCAG
AAACTGGCAGGTGCTCACTGCACTCAGTTGCTGGCTTCCACTTCGGGCTTCTTTCCACAGGTCCTATCG
GTGGTGCTAATAGAGATATTTCTATTCTCCAGTCCACGGGATTGTGACCCCTTGGTCCCTGATGTT
TGGTTCTTACGGTGGAAAACTAAAAACATTGGTGAATCCAGCCAATGTGACCTTTAAAACTATGAA
GGTATGATGCACAGTTCTGTGCAACAGGAAATGATGGATGTCAAGCAATTCATTGATAAACTCCTACCTC
CAATTGAT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236208 representing NM_001279360
Red=Cloning site Green=Tags(s)

MNVAMPSWFDIIGLSPDSQEDESGIKQAAENIKALIDQEVKNGIPSNRIILGGFSQGGALSLYTALTTQQ
KLAGVTALSCWLPLRASFPQPIGGANRDISILQCHGDCDPLVPLMFGSLTVEKLTLVNPNANVTFKTYE
GMMHSSCQEMMDVKQFIDKLLPPID

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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:	<u>NM_001279360.1</u> , <u>NP_001266289.1</u>
RefSeq Size:	2538 bp
RefSeq ORF:	501 bp
Locus ID:	10434
UniProt ID:	<u>O75608</u>
Cytogenetics:	8q11.23
Protein Pathways:	Glycerophospholipid metabolism
MW:	18.4 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]