

## Product datasheet for **SC334227**

### Lysophospholipase 1 (LYPLA1) (NM\_001279359) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lysophospholipase 1 (LYPLA1) (NM_001279359) Human Untagged Clone
Tag:	Tag Free
Symbol:	LYPLA1
Synonyms:	APT-1; APT1; hAPT1; LPL-I; LPL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001279359, the custom clone sequence may differ by one or more nucleotides

```
ATGGGCAGAAGCCTTTGCAGGCCTGTTAGGCCTGTTACATTAATATGAACGTGGCTATGCCTTCATGGT
TTGATATTATTGGGCTTTCACCAGATTCACAGGAGGATGAATCTGGGATTAACAGGCAGCAGAAAAATAT
AAAAGCTTTGATTGATCAAGAAGTGAAGAATGGCATTCTTCTAACAGAATTATTTGGGAGGGTTTTCT
CAGGGAGGAGCTTTATCTTTATACTGCCCTTACCACACAGCAGAACTGGCAGGTGTCACACTCA
GTTGCTGGCTTCCACTTCGGGCTCCTTCCACAGGGTCTATCGGTGGTGCTAATAGAGATATTTCTAT
TCTCCAGTGCCACGGGGATTGTGACCTTTGGTCCCCTGATGTTGGTTCTTACGGTGGAAAAACTA
AAAACATTGGTGAATCCAGCCAATGTGACCTTTAAAACCTATGAAGGTATGATGCACAGTTCGTGTCAAC
AGGAAATGATGGATGTCAAGCAATTCATTGATAAACTCCTACCTCAATTGATGTA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001279359
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).



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**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\\_001279359.1](#), [NP\\_001266288.1](#)

**RefSeq Size:** 2556 bp

**RefSeq ORF:** 546 bp

**Locus ID:** 10434

**UniProt ID:** [O75608](#)

**Cytogenetics:** 8q11.23

**Protein Pathways:** Glycerophospholipid metabolism

**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]

Transcript Variant: This variant (5) uses an alternate splice site in its 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (5) has a shorter and distinct N-terminus, compared to isoform 1.