

Product datasheet for **SC334535**

Lysophospholipase 1 (LYPLA1) (NM_001279358) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Lysophospholipase 1 (LYPLA1) (NM_001279358) 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_001279358, the custom clone sequence may differ by one or more nucleotides |

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ATGTGCGGCAATAACATGTCAACCCCGCTGCCCGCCATCGTGCCCGCCGCCCGGAAGGCCACCGCTGCGG
TGATTTTCCTGCATGGATTGGGAGATACTGGGCACGGATGGGCAGAAGCCTTTGCAGGTATCAGAAGTTC
ACATATCAAATATATCTGCCCGCATGCGCCTGTTAGGCCTGTTACATTAATATGAACGTGGCTATGCCT
TCATGGTTTGATATTATGGGCTTTCACCAGATTCACAGGAGGATGAATCTGGGATTAACAGGCAGCAG
AAAATATAAAAGCTTTGATTGATCAAGAAGTGAAGAATGCCATTCCTTCTAACAGAATTATTTGGGAGG
GTTTTCTCAGGGAGGAGCTTTATCTTTATATACTGCCCTTACCACACAGCAGAACTGCCAGGTGCACT
GCACTCAGTTGCTGGCTCCACTTCGGGCTTCCCTTCCACAGTGCCACGGGGATTGTGACCCTTTGGTTC
CCCTGATGTTTGGTTCTTACGGTGGAAAACTAAAAACATTGGTGAATCCAGCCAATGTGACCTTTAA
AACCTATGAAGGTATGATGCACAGTTCGTGTCAACAGGAAATGATGGATGTCAAGCAATTCATTGATAAA
CTCCTACCTCCAATTGATGA
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| Restriction Sites: | Sgfl-MluI |
| ACCN: | NM_001279358 |
| 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_001279358.1](#), [NP_001266287.1](#)

RefSeq Size: 2554 bp

RefSeq ORF: 651 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 (4) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (4) is shorter, compared to isoform 1.