

Product datasheet for **SC324134**

Lysophospholipase 1 (LYPLA1) (NM_006330) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lysophospholipase 1 (LYPLA1) (NM_006330) Human Untagged Clone
Tag:	Tag Free
Symbol:	Lysophospholipase 1
Synonyms:	APT-1; APT1; hAPT1; LPL-I; LPL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_006330.2
CGGGACTCGCCGCTCGCACGCCCTTGGGCCGCGGCCGGCCGCTCTTCTTCCGCTT
GCGCTGTGAGCTGAGCGGTGTATGTGCGGCAATAACATGTCAACCCGCTGCCGCCAT
CGTGCCCCGCCCGGAAGGCCACCGCTGCGGTGATTTTCTGCATGGATTGGGAGATAC
TGGGCACGGATGGGCAGAAGCCTTTGCAGGTATCAGAAGTTCACATATCAAATATATCTG
CCCGCATGCGCCTGTTAGGCCTGTACATTAATATGAACGTGGCTATGCCTTCATGGTT
TGATATTATTGGGCTTTACCAGATTCACAGGAGGATGAATCTGGGATTAACAGGCAGC
AGAAAATATAAAGCTTTGATTGATCAAGAAGTGAAGAATGGCATTCTTCTAACAGAAT
TATTTTGGGAGGGTTTTCTCAGGGAGGAGCTTTATCTTTATACTGCCCTTACCACACA
GCAGAAACTGGCAGGTGCTACTGCACTCAGTTGCTGGCTTCCACTTCGGGCTTCTTTCC
ACAGGGTCTATCGGTGGTGCTAATAGAGATATTTCTATTCTCCAGTGCCACGGGGATTG
TGACCCTTTGGTTCCCCTGATGTTTGGTTCTTACGGTGGAAAACTAAAAACATTGGT
GAATCCAGCCAATGTGACCTTTAAACCTATGAAGGTATGATGCACAGTTCGTGTCAACA
GGAAATGATGGATGTCAAGCAATTCATTGATAAATCCTACCTCCAATTGATTGACGTCA
CTAAGAGGCCCTTGTGTAGAAGTACACCAGCATCATTGTAGTAGAGTGAACCTTTTCCC
ATGCCAGTCTTCAAATTTCTAATGTTTTGCAGTGTAAAATGTTTTGCAAAATACATGCC
AATAACACAGATCAAATAATATCTCCTCATGAGAAATTTATGATCTTTTAAAGTTTCTATA
CATGTATTCTTATAAGACGACCCAGGATCTACTATATTAGAATAGATGAAGCAGGTAGCT
TCTTTTTTCTCAAATGTAATTCAGCAAATAATACAGTACTGCCACCAGATTTTTTATT
ACATCATTGAAAATTAGCAGTATGCTTAATGAAAATTTGTTTCAGGTATAAATGAGCAGT
TAAGATATAAAACAATTTATGCATGCTGTGACTTAGTCTATGGATTTATTCCAAAATTGCT
TAGTCACCATGCAGTGTCTGTATTTTTATATATGTGTTTCATATATACATAATGATTATAA
TACATAAAGAATGAGGTGGTATTACATTATTCCTAATAATAGGGATAATGCTGTTTAT
TGTCAAGAAAAAGTAAAACTGTTCTCTTCAATTAATGGCCCTTTTATTTTGGGACCAGGC
TTTTATTTCCCTGATATTATTTCTATTTAATACTTTTTCTCAAAAAAAAAAAAAAAAA
A



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Restriction Sites:	ECoRI-NOT
ACCN:	NM_006330
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_006330.2 , NP_006321.1
RefSeq Size:	2578 bp
RefSeq ORF:	693 bp
Locus ID:	10434
UniProt ID:	O75608
Cytogenetics:	8q11.23
Domains:	abhydrolase_2
Protein Pathways:	Glycerophospholipid metabolism
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>