

## Product datasheet for **SC116169**

### 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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116169 sequence for NM_006330 edited (data generated by NextGen Sequencing) ATGTGCGGCAATAACATGTCAACCCGCTGCCCGCCATCGTGCCCGCCCGGAAGGCC ACCGCTGCGGTGATTTTCTGCATGGATTGGGAGATACTGGGCACGGATGGGCAGAAGCC TTTGCAGGTATCAGAAGTTCACATATCAAATATATCTGCCCGCATGCGCCTGTTAGGCCT GTTACATTAATATGAACGTGGCTATGCCTTCATGGTTTGATATTATTGGGCTTTCACCA GATTCACAGGAGGATGAATCTGGGATTAACAGGCAGCAGAAAATATAAAAGCTTTGATT GATCAAGAAGTGAAGAATGGCATTCTTCTAACAGAATTATTTGGGAGGGTTTTCTCAG GGAGGAGCTTTATCTTTATATACTGCCCTTACCACACAGCAGAACTGGCAGGTGCACT GCACTCAGTTGCTGGCTTCCACTTCGGGCTTCTTTCCACAGGGTCTATCGGTGGTGT AATAGAGATATTTCTATTCTCCAGTGCCACGGGATTGTGACCCTTTGGTCCCCTGATG TTTGGTTCTTACGGTGGAAAACTAAAAACATTGGTGAATCCAGCCAATGTGACCTTT AAAACCTATGAAGGTATGATGCACAGTTCGTGTCAACAGGAAATGATGGATGTCAAGCAA TTCATTGATAAACTCCTACCTCCAATTGATTGA
	Clone variation with respect to NM_006330.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_006330 unedited            GTTAAGATTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGCTCTTCCTTC            CGCTTGCCTGTGAGCTGAGGCGGTGTATGTGCGGCAATAACATGTCAACCCCGCTGCC            GCCATCGTGCCCGCCCGCCGGAAGGCCACCGCTGCGGTGATTTTCCTGCATGGATTGGGA            GATACTGGGCACGGATGGGCAGAAGCCTTTCAGGTATCAGAAGTTCACATATCAAAATAT            ATCTGCCCGCATGCGCCTGTTAGGCCTGTACATTAATAATGAACGTGGCTATGCCTTCA            TGGCTTGATATTATTGGCTTTCCACCACATTCACAGGAGGATGAATCTGGGATTAACAG            GCAGCACAAAATATAAAAGCTTTGATTGATCAAGAAGTGAAGAATGGCATTCTCTTAAC            AGAATTATTTTGGGAGGGTTTTCTCACGGAGGAGCTTTATCTTTATATACTGCCCTTACC            ACACAGCATAAACTGGCAGGCGTCACTGCACTCAGTTGCTGGCTTCCACTTCGGGCTTCC            TTTCCACAGGGTCTATTTCGGTGGTGCTAATAGAGATATTTCTATTCTCCAGTGCCACGG            GGATTGTGACCCTTTTGGTTCCTGATGTTTGGTTCTCTTACGGTGGAAAACTAATCA            CATTTCGGTGAATCCAGCCATGTGACCCTTTAAACCTATGAAGGTATGATGCACAGTTC            GCGTCAACAGGAAATGATGGATGTCCAGCCATCCATTGATAAACTCCACCTCCAATTGA            TTGACCCCACTAAGAGGCCTTGTGTAGCAATACACCACCATCATTGCAGAACAGTGTA            CCTTTCCCGAGCCACCTTCAAATTTCTAATGCTTTGCCCGCTAATACGTTTTGCAA            TCATGCCCATACACACATCAATN</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_006330 unedited            CAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTCAGAATTAATTTTATTTACATTGAT            AGAAACCATGAAAACATTTACTTTCCCATGTTACAGCACAATATTTCAATGGAATAT            TTCTTGCCATAAATAATATCTTGCTGATTGTAAAAGTGAATAACAGTTTATGTTCTTC            AAGGTAAGAAAAATGACATAGTAAATGATTGTTAAAAATTTTAAATCCAGACATAAAC            ATATGGCTTCATTATTAACATCCTGTATAGTCCATTACTAAATTTTCCATTATCAATT            AGCACCCATTTATAAAGATGCATTCTTAATATTGTTTTGGTCAGCTGGAATACAGCAGAA            AAATTAACACAGTTGAGAAATATCAAGCATACATTTTTGCTACATATAATCTGTATGGT            AACTACTTTTATGGTATAGGGTCTGACTAGCCTTTATTACCCATAAGTTTGTTCATCA            ATAATTTTACCAGTAATCTGGAAATTTTGACAATTTAAATGATTGCTATTTTATGTC            TGCATCAAAAATAACAAAAATAATTTGACTAAAGTGAATTTCAAATAAGTCCAC            TGGCAGATGAAAAATAAGCAAAAATTACAATAGATTCCTCATCTTCTACAGTAGTTGGT            TTCAAACGTGTACAAAGTAAACTCTATACTATGAGAAGATGAAATCATCTTAGAAAAGTA            GTNTTATAGATCAGTCCTAAAGATATTTTCAAGACATACTAGAATATGATCTAANTATTCT            TCAGTTGTTTACAGGAAAATGAAACACACGATTATTCCTGTTACCTGGGNTGAAGATCCC            TATAGCTAGGGTAATTTGGATAAGTACAGTAATCAAATAAGTACGCATGAAGTTTATG            CCTGGTCTCTTAAAGCATAAAGATTTAAACCTTAATTTGGACCAGATGTAATTACT            TGTTGACCGACTTGCTTGGCAAAGCAACTACTGGCTGTTTGAAGTAAAGAAAACTTTTT            N</p>
<b>Restriction Sites:</b>	ECoRI-NOT
<b>ACCN:</b>	NM_006330
<b>Insert Size:</b>	2610 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_006330.2</a> , <a href="#">NP_006321.1</a>
<b>RefSeq Size:</b>	2578 bp
<b>RefSeq ORF:</b>	693 bp
<b>Locus ID:</b>	10434
<b>UniProt ID:</b>	<a href="#">O75608</a>
<b>Cytogenetics:</b>	8q11.23
<b>Domains:</b>	abhydrolase_2
<b>Protein Pathways:</b>	Glycerophospholipid metabolism
<b>Gene Summary:</b>	<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>