

## Recombinant Human LYPLA2 protein, His-tagged

Cat. No. LYPLA2-3456H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human LYPLA2(1-231aa) fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-231 a.a.
<b>Description</b>	Acyl-protein thioesterase 2, also known LYPLA2, is lysophospholipase that acts on biological membranes to regulate the multifunctional lysophospholipids. This protein may hydrolyze fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins or HRAS.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl
<b>Molecular Mass</b>	26.9 kDa (251aa), confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SGLVPRGSHVMPSWFDLMG LSPDAPEDEA GIKKAAENIK ALIEHEMKNQ IPANRIVLGG FSQGGALSLY TALTCPPLA GIVALSCWLP LHRAFPQAANGSAKDLAILQ CHGELDPMVP VRFALTAEK LRSVVTPARV QFKTYPGVMH SSCPQEMAAV KEFLEKLLPP VMCNTMSVPL LTDAATVSGA ERETAAVIFL HGLGDTGHSW ADALSTIRLP HVKYICPHAP RIPVTLNMKM

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<b>Purity</b>	>95% by SDS - PAGE
<b>Storage</b>	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	LYPLA2 lysophospholipase II [ Homo sapiens ]
<b>Official Symbol</b>	LYPLA2
<b>Synonyms</b>	LYPLA2; lysophospholipase II; acyl-protein thioesterase 2; APT 2; LPL-II; lysoPLA II; APT-2; DJ886K2.4;
<b>Gene ID</b>	11313
<b>mRNA Refseq</b>	NM_007260
<b>Protein Refseq</b>	NP_009191
<b>MIM</b>	
<b>UniProt ID</b>	O95372
<b>Chromosome Location</b>	1p36.11
<b>Pathway</b>	Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem;

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**Function**

hydrolase activity;

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