

Recombinant Mouse Lysophospholipase 1, His-tagged

Cat. No. Lypla1-2813M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse LYPLA1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 26.8 kDa (250aa), confirmed by MALDI-TOF.
Species	Mouse
Source	E.coli
Description	LYPLA1 is lysophospholipase that acts on biological membranes to regulate the multifunctional lysophospholipids. This protein hydrolyzes fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins or HRAS and also has depalmitoylating activity.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MCGNNMSAPM PAVVPAARKA TAAVIFLHGL GDTGHGWAEA FAGIKSPHIK YICPHAPVMP VTLNMNMAMP SWFDIVGLSP DSQEDESIGK QAAETVKALI DQEVKNGIPS NRILGGFSQ GGALSLYTAL TTQQKLAGVT ALSCWLPLRA SFSQGPINSA NRDISVLQCH GDCDPLVPLM FGSLTVERLK ALINPANVTF KIYEGMMHSS CQQEMMDVKH FIDKLLPPID
Purity	> 90% by SDS – PAGE.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl,1mM DTT.
Concentration	0.5 mg/ml (determined by Bradford assay).

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

Lypla1 lysophospholipase 1 [*Mus musculus*]

Synonyms

Lypla1; lysophospholipase 1; Pla1a; acyl-protein thioesterase 1; APT-1; LPL-I; lysoPLA I; phospholipase 1a; OTTMUSP00000024030; OTTMUSP00000024032; OTTMUSP00000024033; lysophospholipase 1; lysophospholipase I; EC 3.1.1.5

Gene ID

18777

mRNA Refseq

NM_008866

Protein Refseq

NP_032892

UniProt ID

P97823

**Chromosome
Location**

1 A1; 1

Pathway

Glycerophospholipid metabolism

Function

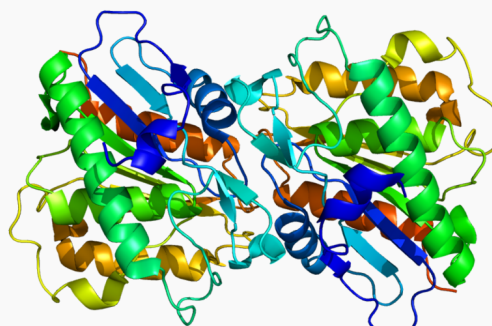
hydrolase activity; lysophospholipase activity

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