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 DSQEDESGIK QAAETVKALI DQEVKNGIPS NRIILGGFSQ 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).

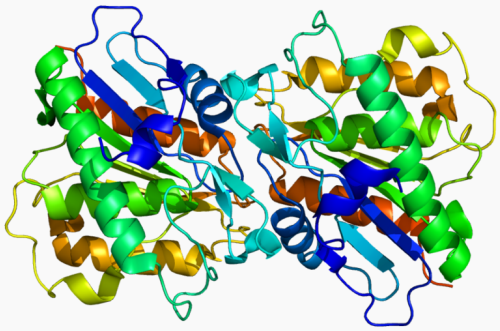
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Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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; lysophopholipase 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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