

Recombinant Mouse Lypla2 Protein, Myc/DDK-tagged

Cat. No. Lypla2-3879M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length lysophospholipase 2 (Lypla2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as a acyl-protein thioesterase hydrolyzing fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins, GAP43, ZDHHC6 or HRAS. Deacylates GAP43. Mediates depalmitoylation of ZDHHC6. Has lysophospholipase activity. Hydrolyzes prostaglandin glycerol esters (PG-Gs). Hydrolyzes PG-Gs in the following order prostaglandin D2-glycerol ester (PGD2-G) > prostaglandin E2 glycerol ester (PGE2-G) > prostaglandin F2-alpha-glycerol ester (PGF2-alpha-G). Hydrolyzes 1-arachidonoylglycerol but not 2-arachidonoylglycerol or arachidonoylethanolamide.
Molecular Mass	24.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Lypla2 lysophospholipase 2 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Lypla2](#)

Synonyms LYPLA2; lysophospholipase 2; acyl-protein thioesterase 2; APT-2; LPL-II; mLyso II; lysoPLA II; lysophospholipase II; LysolI

Gene ID [26394](#)

mRNA Refseq [NM_011942](#)

Protein Refseq [NP_036072](#)

UniProt ID [Q9WTL7](#)

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