

## Recombinant Mouse Lypla2 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length lysophospholipase 2 (Lypla2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	24.8 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>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; Lysoll

**Gene ID** [26394](#)

**mRNA Refseq** [NM\\_011942](#)

**Protein Refseq** [NP\\_036072](#)

**UniProt ID** [Q9WTL7](#)

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