

Recombinant Mouse Plb1 Protein, Myc/DDK-tagged

Cat. No. Plb1-4910M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phospholipase B1 (Plb1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Calcium-independent membrane-associated phospholipase that catalyzes complete diacylation of phospholipids by hydrolyzing both sn-1 and sn-2 fatty acyl chains attached to the glycerol backbone (phospholipase B activity). Has dual phospholipase and lysophospholipase activities toward diacylphospholipids. Preferentially cleaves sn-2 ester bonds over sn-1 bonds. Acts as a lipase toward glycerolipid substrates. Hydrolyzes fatty acyl chains of diacylglycerols with preference for the sn-2 position and of triacylglycerols with not positional selectivity. May also hydrolyze long chain retinyl esters such as retinyl palmitate. May contribute to digestion of dietary phospholipids, glycerolipids and retinoids, facilitating lipid absorption at the brush border.
Molecular Mass	165 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.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Plb1 phospholipase B1 [Mus musculus (house mouse)]
Official Symbol	Plb1
Synonyms	Plb1; phospholipase B1; BC033606; 4632413E21Rik; 4930433E17Rik; 4930539A06Rik; phospholipase B1, membrane-associated; PLB/LIP; lysophospholipase; phospholipase A2; phospholipase B; phospholipase B/lipase; triacylglycerol lipase; EC 3.1.1.3; EC 3.1.1.4; EC 3.1.1.5
Gene ID	665270
mRNA Refseq	NM_001081407
Protein Refseq	NP_001074876
UniProt ID	Q3TTY0

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