

Recombinant Human PLB1 Protein (Met1036-Leu1458), His tagged

Cat. No. PLB1-4050H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PLB1 (Met1036-Leu1458) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1036-Leu1458
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) .
Form	Lyophilized powder/frozen liquid
Molecular Mass	47.82 kDa

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Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	PLB1 phospholipase B1 [Homo sapiens (human)]
Official Symbol	PLB1
Synonyms	PLB1; phospholipase B1; phospholipase B1, membrane-associated; FLJ30866; PLB; phospholipase B; phospholipase A2; lysophospholipase; phospholipase B/lipase; hPLB; PLB/LIP;
Gene ID	151056
mRNA Refseq	NM_001170585
Protein Refseq	NP_001164056
MIM	610179

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UniProt ID

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