

Recombinant Human Phospholipase D2

Cat. No. PLD2-683H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PLD2 (aa 1-274) is expressed in <i>E. coli</i> . MW=56kDa.
Species	Human
Source	E.coli
Protein Length	1-274 a.a.
Description	Phosphatidylcholine (PC)-specific phospholipases D (PLDs) catalyze the hydrolysis of PC to produce phosphatidic acid and choline. Activation of PC-specific PLDs occurs as a consequence of agonist stimulation of both tyrosine kinase and G protein-coupled receptors. PC-specific PLDs have been proposed to function in regulated secretion, cytoskeletal reorganization, transcriptional regulation, and cell cycle control.
Application	ELISA, Inhibition Assays, Western Blotting.
Presentation	100µl purified human PLD2 protein at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.
Characterization	On SDS-PAGE comassie blue stained gel, the purified recombinant protein shows a band at 56kDa (including GST).
Storage	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

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GENE INFORMATION

Gene Name	PLD2 phospholipase D2 [Homo sapiens]
Synonyms	PLD2; phospholipase D2; EC 3.1.4.4; PLD 2; PLD1C; choline phosphatase 2; hPLD2; phosphatidylcholine-hydrolyzing phospholipase D2
Gene ID	5338
mRNA Refseq	NM_002663
Protein Refseq	NP_002654
MIM	602384
UniProt ID	O14939
Chromosome Location	17p13.1
Pathway	Endocytosis; Ether lipid metabolism; Fc gamma R-mediated phagocytosis; Glycerophospholipid metabolism; GnRH signaling pathway; Metabolic pathways
Function	NAPE-specific phospholipase D activity; hydrolase activity; phosphoinositide binding; phospholipase D activity; protein binding

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