Recombinant Human PLD1, GST-tagged

Cat. No. PLD1-27923TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PLD1(965 a.a. - 1074 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	This gene encodes a phosphatidylcholine-specific phospholipase which catalyzes the hydrolysis of phosphatidylcholine in order to yield phosphatidic acid and choline. The enzyme may play a role in signal transduction and subcellular trafficking. Alternative splicing results in multiple transcript variants with both catalytic and regulatory properties.
Molecular Mass	37.84 kDa
AA Sequence	GYLDDPSEDIQDPVSDKFFKEVWVSTAARNATIYDKVFRCLPNDEVHNLIQLRDFINK PVLAKEDPIRAEEELKK IRGFLVQFPFYFLSEESLLPSVGTKEAIVPMEVWT
Applications	ELISA; WB-Re; AP; Array
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	PLD1 phospholipase D1, phosphatidylcholine-specific [Homo sapiens]
Official Symbol	PLD1
Synonyms	PLD1; phospholipase D1, phosphatidylcholine-specific; phospholipase D1; choline phosphatase 1; phospholipase D1; choline phosphatase 1; phosphatidylcholine-hydrolyzing phospholipase D1; EC 3.1.4.4
Gene ID	5337
mRNA Refseq	NM_002662
Protein Refseq	NP_002653
MIM	602382
UniProt ID	Q13393
Chromosome Location	3q26
Pathway	Alpha-synuclein signaling; Arf6 downstream pathway; Arf6 trafficking events; CDC42 signaling events; EGFR1 Signaling Pathway
Function	NAPE-specific phospholipase D activity; phosphatidylinositol binding; phospholipase D activity

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