

Recombinant Human PLD1 293 Cell Lysate

Cat. No. PLD1-3123HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phospholipase D1, phosphatidylcholine-specific (PLD1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

PLD1 phospholipase D1, phosphatidylcholine-specific [Homo sapiens]

Official Symbol

PLD1

Synonyms

PLD1; phospholipase D1, phosphatidylcholine-specific; phospholipase D1; choline phosphatase 1; phosphatidylcholine-hydrolyzing phospholipase D1;

Gene ID

5337

mRNA Refseq

NM_001130081

Protein Refseq

NP_001123553

MIM

602382

UniProt ID

Q13393

**Chromosome
Location**

3q26

Pathway

Alpha-synuclein signaling, organism-specific biosystem; Arf6 downstream pathway, organism-specific biosystem; Arf6 trafficking events, organism-specific biosystem; CDC42 signaling events, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem;

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Function

NAPE-specific phospholipase D activity; hydrolase activity; phosphatidylinositol binding; phospholipase D activity;

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