

Recombinant Human PLCD4 293 Cell Lysate

Cat. No. PLCD4-3128HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phospholipase C, delta 4 (PLCD4) 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

PLCD4 phospholipase C, delta 4 [Homo sapiens]

Official Symbol

PLCD4

Synonyms

PLCD4; phospholipase C, delta 4; 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta-4; PLC delta4; phosphoinositide phospholipase C-delta-4; MGC12837;

Gene ID

84812

mRNA Refseq

NM_032726

Protein Refseq

NP_116115

MIM

605939

UniProt ID

Q9BRC7

**Chromosome
Location**

2q35

Pathway

Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; D-myo-inositol (1,4,5)-trisphosphate biosynthesis, organism-specific biosystem; D-myo-inositol-5-phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism, organism-specific biosystem; Inositol

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phosphate metabolism, conserved biosystem; Inositol phosphate metabolism, PI=>

Function

calcium ion binding; hydrolase activity; phosphatidylinositol phospholipase C activity;
signal transducer activity;

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