

Recombinant Human PLCB4 293 Cell Lysate

Cat. No. PLCB4-3130HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phospholipase C, beta 4 (PLCB4), transcript variant 2 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

PLCB4 phospholipase C, beta 4 [Homo sapiens]

Official Symbol

PLCB4

Synonyms

PLCB4; phospholipase C, beta 4; 1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-4; PLC-beta-4; phosphoinositidase C; phospholipase C-beta-4; inositoltrisphosphohydrolase; phosphoinositide phospholipase C; triphosphoinositide phosphodiesterase; phosphoinositide phospholipase C-beta-4; monophosphatidylinositol phosphodiesterase; 1-phosphatidyl-D-myo-inositol-4,5-bisphosphate; 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta 4; 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-4; dJ1119D9.2 (Phospholipase C, beta 4 (1-Phosphatidylinositol-4,5-Bisphosphate Phosphodiesterase Beta 4)); PI-PLC; FLJ16169;

Gene ID

5332

mRNA Refseq

NM_000933

Protein Refseq

NP_000924

MIM

600810

UniProt ID

Q15147

Chromosome

20p12

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Location	
Pathway	African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Calcium signaling pathway, organism-specific biosystem;
Function	calcium ion binding; hydrolase activity; phosphatidylinositol phospholipase C activity; phosphatidylinositol phospholipase C activity; phospholipase C activity; signal transducer activity;

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