

Recombinant Human PHLPP1 293 Cell Lysate

Cat. No. PHLPP1-3218HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for PH domain and leucine rich repeat protein phosphatase 1 (PHLPP1) 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

PHLPP1 PH domain and leucine rich repeat protein phosphatase 1 [Homo sapiens]

Official Symbol

PHLPP1

Synonyms

PHLPP1; PH domain and leucine rich repeat protein phosphatase 1; PH domain and leucine rich repeat protein phosphatase , PHLPP, pleckstrin homology domain containing, family E (with leucine rich repeats) member 1 , PLEKHE1; PH domain leucine-rich repeat-containing protein phosphatase 1; KIAA0606; SCOP; SCN circadian oscillatory protein; PH domain-containing family E member 1; suprachiasmatic nucleus circadian oscillatory protein; pleckstrin homology domain containing, family E (with leucine rich repeats) member 1; PHLPP; PLEKHE1; MGC161555;

Gene ID

23239

mRNA Refseq

NM_194449

Protein Refseq

NP_919431

MIM

609396

UniProt ID

O60346

**Chromosome
Location**

18q21.32

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Pathway

Adaptive Immune System, organism-specific biosystem; Disease, organism-specific biosystem; Downstream Signaling Events Of B Cell Receptor (BCR), organism-specific biosystem; Downstream signal transduction, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; GAB1 signalosome, organism-specific biosystem; Immune System, organism-specific biosystem;

Function

hydrolase activity; metal ion binding; protein serine/threonine phosphatase activity;

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