

## Recombinant Human PHLPP1 293 Cell Lysate

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

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

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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

**Pathway** Adaptive Immune System, organism-specific biosystem; Disease, organism-specific

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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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