Recombinant Human PHLPP2, GST-tagged

Cat. No. PHLPP2-1615H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PHLPP2 (766-1043) was expressed in E. coli cells using an N-terminal GST tag.
Species	Human
Source	E.coli
ProteinLength	766-1043
Description	PHLPP2 or PH domain and leucine rich repeat protein phosphatase 2 is the important regulators of Akt serine-threonine kinases and conventional/novel protein kinase C (PKC) isoforms. PHLPP1 and PHLPP2 differentially regulated AKT signaling by selectively dephosphorylating the hydrophobic motifs of AKT2 or AKT3. PHLPP may act as a tumor suppressor in several types of cancer due to its ability to block growth factor-induced signaling in cancer cells.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~ 56 kDa
Purity	>95%
Applications	Phosphatase Assay; Western Blot

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Stability	1 yr at -70oC from date of shipment.
Storage	Store product at –70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 ug/ul

GENE INFORMATION

Gene Name	PHLPP2 PH domain and leucine rich repeat protein phosphatase 2 [Homo sapiens]
Official Symbol	PHLPP2
Synonyms	PHLPP2; PH domain and leucine rich repeat protein phosphatase 2; PH domain and leucine rich repeat protein phosphatase like , PHLPPL; PH domain leucine-rich repeat-containing protein phosphatase 2; KIAA0931; PHLPPL
Gene ID	23035
mRNA Refseq	NM_015020
Protein Refseq	NP_055835
MIM	611066
UniProt ID	Q6ZVD8
Chromosome Location	16q22.2
Pathway	Adaptive Immune System; DAP12 signaling; Downstream signaling events of B Cell

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	Receptor (BCR); Downstream signaling of activated FGFR
Function	metal ion binding; protein serine/threonine phosphatase activity

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