

Recombinant Human PHLPP2, GST-tagged

Cat. No. PHLPP2-7012H **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 aa
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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Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1µg/µl
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
Function	hydrolase activity; metal ion binding; phosphoprotein phosphatase activity;