

# Recombinant Human PHLPP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PHLPP1-5157H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

PHLPP1 MS Standard C13 and N15-labeled recombinant protein (NP\_919431) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

This gene encodes a member of the serine/threonine phosphatase family. The encoded protein promotes apoptosis by dephosphorylating and inactivating the serine/threonine kinase Akt, and functions as a tumor suppressor in multiple types of cancer. Increased expression of this gene may also play a role in obesity and type 2 diabetes by interfering with Akt-mediated insulin signaling.

### Molecular Mass

184.5 kDa

### AA Sequence

MDSEIGCLIRFYAGKPHSTGSSERIQLSGMYNVRKGMQLPVNRWTRRQVILCGTC  
LIVSSVKDSLTKGMHVLPLIGGKVEEVKKHQHCLAFSSSGPQSQTYYICFDTFTEYLR  
WLRQVSKVASQRISVDLSCCSLEHLPANLFYSQDLTHLNLKQNFLRQNPSLPAAR  
GLNELQRFTKLKSLNLSNNHLGDFPLAVCSIPTLAELNVSCNALRSVPAAVGVMHNL  
QTFLLDGNFLQSLPAELENMKQLSYLGLSFNEFTDIPEVLEKLTAVDKLCMSGNCVE  
TLRLQALRKMPHIKHVDLRLNVIRKLIADDEVDFLQHVTVQLDLRDNKLGDL DAMIFNIE  
VLHCERNQLVTLDICGYFLKALYASSNELVQLDVYPVPNYLSYMDVSRNRENVPE  
WVCESRKLEVLDIGHNQICELPARLFCNSSLRKLLAGHNQLARLPERLERTSVEVLD

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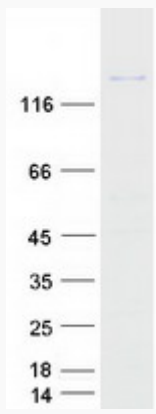
45-1 Ramsey Road, Shirley, NY 11967, USA

VQHNQLELPPNLLMKADSLRFLNASANKLESPPATLSEETNSILQELYLTNNSLTD  
 KCVPLLTGHPHLKILHMAYNRLQSFASKMAKLEEEIDLSGNKLKAIPTTIMNCRR  
 MHTVIAHSNCIEVFPEVMQLPEIKCVDLSCNELSEVTLPENLPPKLQELDLTGNPRLV  
 LDHKTLELLNIRCFKIDQPSTGDASGAPAVWSHGYTEASGVKNKLCVAALSVNNFC  
 DNREALYGVFDGDRNVEVPYLLQCTMSDILAEELQKTKNEEYMVNTFIVMQRKLG  
 TAGQKLGGA AVLCHIKHDPVDPGGSFTLTSANVGKQCQTVLCRNGKPLPLRSYIMS  
 CEEELKRIKQHKAIITEDGKVNGVTESTRILGYTFLHPSVVPRPHVQSVLLTPQDEFFI  
 LGSKGLWDSLSVEEAVEAVRNVPDALAAAKLCTLAQSYGCHDSISAVVVQLSVTE  
 DSFCCCELSAGGAVPPPSPGIFPPSVNMVIKDRPSDGLGVPSSSSGMASEISSELST  
 SEMSSEVGSTASDEPPPGALSENSPAYPSEQRCMLHPICLSNSFQRQLSSATFSSA  
 FSDNGLDSDDEEPIEGVFTNGSRVEVEVDIHCSRAKEKEKQQHLLQVPAEASDEGIV  
 ISANEDEPGLPRKADFSAVGTIGRRRANGSVAPQERSHNVIEVATDAPLRKPGGYFA  
 APAQDPDDQFIIPPELEEEVKEIMKHHQEQQQQQPPPPPPQLQPQLPRHYQLDQL  
 PDYYDTPLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	PHLPP1 PH domain and leucine rich repeat protein phosphatase 1 [ Homo sapiens (human) ]
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<b>Official Symbol</b>	PHLPP1
<b>Synonyms</b>	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;
<b>Gene ID</b>	23239
<b>mRNA Refseq</b>	NM_194449
<b>Protein Refseq</b>	NP_919431
<b>MIM</b>	609396
<b>UniProt ID</b>	O60346
<b>SDS-PAGE</b>	

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