

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	MDSEIGCLIRFYAGKPHSTGSSERIQLSGMYNVRKGKMQLPVNRWTRRQVILCGTC LIVSSVKDSLTKGMHVLPLIGGKVEEVKKHQHCLAFSSSGPQSQTYYICFDTFTEYLR WLRQVSKVASQRISVDLSCCSLEHL PANLFYSQDLTHLNKQNFLRQNPSLPAAR GLNELQRFTKLKSLNLSNNHLGDFPLAVCSIPTLAELNVSCNALRSVPAAVGVMHNL QTFLLDGNFLQSLPAELENMKQLSYLGLSFNEFTDIPEVLEKLTAVDKLCMSGNCVE TLRLQALRKMPHIKHVDLRLNVIRKLI ADEVDFLQHVTQLDLRDNKLGDL DAMIFNNIE VLHCERNQLVTLDICGYFLKALYASSNELVQLDVYPVPNYLSYMDVSRNRL ENVPE WVCESRKLEVLDIGHNQICELPARLFCNSSLRKLLAGHNQLARLPERLERTSVEVLD

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VQHNQLLELPPNLLMKADSLRFLNASANKLESLPPATLSEETNSILQELYLTNNSLTD
KCVPLLTGHPHLKILHMAYNRLQSFASKMAKLEEEIDLSGNKLKAIPPTIMNCRR
MHTVIAHSNCIEVFPEVMQLPEIKCVDLSCNELSEVTLPENLPPKLQELDLTGNPRLV
LDHKTLELLNNIRCFKIDQPSTGDASGAPAVWSHGYTEASGVKNKLCVAALSVNNFC
DNREALYGVFDGDRNVEVPYLLQCTMSDILAEELQKTKNEEEYMNVTFIVMQRKL
TAGQKLGGAAVLCHIKHDPVDPGGSFTLTSANVGKQCQTVLCRNGKPLPLSRYSIMS
CEEELKRIKQHKAIITEDGKVNGVTESTRILGYTFLHPSVVPRPHVQSVLLTPQDEFFI
LGSKGLWDSLSVEEAVEAVRNVPDALAAAKKLCTLAQSYGCHDSISAVVVQLSVTE
DSFCCCELSAGGAVPPSPGIFPPSVNMVIKDRPSDGLGVPSSSSGMASEISSELST
SEMSSEVGSTASDEPPPGALSENSPAYPSEQRCMLHPICLSNSFQRQLSSATFSSA
FSDNGLDSDDEEPIEGVFTNGSRVEVEVDIHCSRAKEKEKQQHLLQVPAEASDEGIV
ISANEDEPGLPRKADFSAVGTIGRRRANGSVAPQERSHNVIEVATDAPLRKPGGYFA
APAQPDPPDDQFIIPPELEEEVKEIMKHHQEQQQQQPPPPPPQLQPQLPRHYQLDQL
PDYYDTPLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Stability

Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage

Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration

50 µg/mL as determined by BCA

Storage Buffer

100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

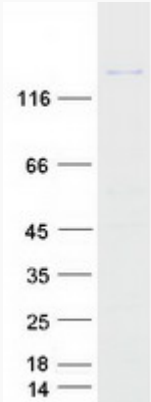
Gene Name

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

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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
SDS-PAGE	

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