

Recombinant Full Length Human PHLPP1 Protein, C-Flag-tagged

Cat. No. PHLPP1-1697HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PHLPP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	184.5 kDa
AA Sequence	MEPAAAATVQRLPELGREDRASAPAAAAAAAAAAAAAAAAALAAAAGGGRSPEPALT PAAPSGGNGSGSGAREEAPGEAPPGLPGRAGGAGRRRRRGAPQPIAGGAAPVP GAGGGANSLLLRRGRLKRNLAAAAAASSSSSSSSAAAASHSPGAAGLPASCSASAS LCTRSLDRKTLKKHRQTLQLQPSDRDWVRHQLQRGCVHVFDRHMASTYLRPVLC TLDTTAGEVAARLLQLGHKGGGVVKVLGQGPAAAAAREPAEPPPEAGPRLAPPEP RDSEVPPARSAPGAFGGPPRAPPADLPLVGGPGGWSRRASPAPSDSSPGEPFV GGPVSSPRAPRPVSDTESFSLSPAESVSDRLDPYSSGGGSSSSSELEADAASA

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PTGVPGQPRRPGHPAQPLPLPQTASSPQPQQKAPRAIDSPGGAVREGSCEEKAAA
 AVAPGGLQSTPGRSGVTAEKAPPPPPPTLYVQLHGETTRRLEAEKPLQIQNDYLF
 QLGFGELWRVQEEGMDSEIGCLIRFYAGKPHSTGSSERIQLSGMYNVRKGKMQLPV
 NRWTRRQVILCGTCLIVSSVKDSLTKGMHVLPLIGGKVEEVKKHQHCLAFSSSGPQS
 QTYIICFDTFTEYLRWLRQVSKVASQRISSVDLSCCSLEHLPANLFYSQDLTHLNLK
 QNFLRQNPSLPAARGLNELQRFTKLKSLNLSNNHLGDFPLAVCSIPTLAELNVSCNA
 LRSVPAAVGVMHNLQTFLLDGNFLQSLPAELENMKQLSYLGLSFNEFTDIPEVLEKLT
 AVDKLCMSGNCVETLRLQALRKMPHIKHVDLRLNVIRKLIADDEVDFLQHVTQLDLRD
 NKLGDLDAMIFNNIEVLHCERNQLVTLDICGYFLKALYASSNELVQLDVYPVPNYLSY
 MDVSRNRLNVPEWVCESRKLEVLIGHNQICELPARLFCNSSLRKLLAGHNQLARL
 PERLERTSVEVLVDVQHNQLLELPPNLLMKADSLRFLNASANKLESPPATLSEETNSI
 LQELYLTNNSLTDKCVPLLTGHPHLKILHMAYNRLQSFPASKMAKLEEEIDLSGNK
 LKAIPPTIMNCRRMHTVIAHSNCIEVFPEVMQLPEIKCVDLSCNELSEVTLPENLPPKL
 QELDLTGNPRLVLDHKTLELLNNIRCFKIDQPSTGDASGAPAVWSHGYTEASGVKNK
 LCVAALSVNNFCDNREALYGVFDGDRNVEVPYLLQCTMSDILAEELQTKNEEEYM
 VNTFIVMQRKLGTAGQKLGGAAVLCHIKHDPVDPGGSFTLTSANVGKCQTVLCRNG
 KPLPLSRYSIMSCEEELKRIKQHKAIITEDGKVNGVTESTRILGYTFLHPSVVRPHVQ
 SVLLTPQDEFFILGSKGLWDSLSVEEAVEAVRNVPDALAAKKLCTLAQSYGCHDSI
 SAVVVQLSVTEDSFCCCELSAGGAVPPPSPGIFPPSVNMVIKDRPSDGLGVPSSSS
 GMASEISSELSTSEMSSEVGSTASDEPPPGALSENSPAYPSEQRCMLHPICLSNSF
 QRQLSSATFSSAFSDNGLDSDDEEPIEGVFTNGSRVEVEVDIHCSRAKEKEKQQHLL
 QVPAEASDEGIVISANEDEPGLPRKADFSAVGTIGRRRANGSVAPQERSHNVIEVAT
 DAPLRKPGGYFAAPAQPDQFIIPPELEEEVKEIMKHHQEQQQQQPPPPPQLQ
 PQLPRHYQLDQLPDYYDTPLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity

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

Stability

Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

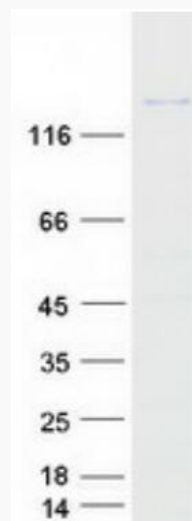
GENE INFORMATION

Gene Name	PHLPP1 PH domain and leucine rich repeat protein phosphatase 1 [Homo sapiens (human)]
Official Symbol	PHLPP1
Synonyms	SCOP; PHLPP; PPM3A; PLEKHE1
Gene ID	23239
mRNA Refseq	NM_194449.4
Protein Refseq	NP_919431.2
MIM	609396
UniProt ID	O60346

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Coomassie blue staining of purified PHLPP1 protein.

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