

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pcDNA3 HA-PHLPP1 full length

RRID:Addgene_37100

Type: Plasmid

Proper Citation

RRID:Addgene_37100

Plasmid Information

URL: <http://www.addgene.org/37100>

Proper Citation: RRID:Addgene_37100

Insert Name: PHLPP1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:21454620](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note that the insert in this plasmid was referred to as PHLPP1beta in the original publication (Brognard et al., Mol. Cell 2007) and the plasmid was first described in Warfel et al. 2011.

Plasmid Name: pcDNA3 HA-PHLPP1 full length

Record Creation Time: 20220422T222157+0000

Record Last Update: 20260815T081412+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3 HA-PHLPP1 full length.

No alerts have been found for pcDNA3 HA-PHLPP1 full length.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Liu X, et al. (2025) Downregulation of the phosphatase PHLPP1 contributes to NNK-induced malignant transformation of human bronchial epithelial cells (HBECS). The Journal of biological chemistry, 301(3), 108221.

Tufano M, et al. (2023) FKBP51 plays an essential role in Akt ubiquitination that requires Hsp90 and PHLPP. Cell death & disease, 14(2), 116.

Park SY, et al. (2022) PHLPP1 Overexpression was Associated With a Good Prognosis With Decreased AKT Activity in Gastric Cancer. Technology in cancer research & treatment, 21, 15330338211067063.

Lupse B, et al. (2021) Inhibition of PHLPP1/2 phosphatases rescues pancreatic β -cells in diabetes. Cell reports, 36(5), 109490.

Huang J, et al. (2020) Endothelial Scaffolding Protein ENH (Enigma Homolog Protein) Promotes PHLPP2 (Pleckstrin Homology Domain and Leucine-Rich Repeat Protein Phosphatase 2)-Mediated Dephosphorylation of AKT1 and eNOS (Endothelial NO Synthase) Promoting Vascular Remodeling. Arteriosclerosis, thrombosis, and vascular biology, 40(7), 1705.

Madigan JP, et al. (2018) The tuberous sclerosis complex subunit TBC1D7 is stabilized by Akt phosphorylation-mediated 14-3-3 binding. The Journal of biological chemistry, 293(42), 16142.

Ochiai K, et al. (2016) Tumor suppressor REIC/DKK-3 and co-chaperone SGTA: Their interaction and roles in the androgen sensitivity. Oncotarget, 7(3), 3283.

Fatima S, et al. (2015) Interactome of the negative regulator of nuclear import BRCA1-binding protein 2. Scientific reports, 5, 9459.