

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

pcDNA3-HA-PHLPP1 N-terminal truncation

RRID:Addgene_22404

Type: Plasmid

Proper Citation

RRID:Addgene_22404

Plasmid Information

URL: <http://www.addgene.org/22404>

Proper Citation: RRID:Addgene_22404

Insert Name: PHLPP1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15808505](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5446; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note that PHLPP1 N-terminal truncation was referred to as PHLPP1 in the original publication (Gao et al., 2005) and PHLPP1alpha in the subsequent publication (Brognard et al., 2007; PMID: 17386267).

Plasmid Name: pcDNA3-HA-PHLPP1 N-terminal truncation

Record Creation Time: 20220422T222059+0000

Record Last Update: 20260912T092446+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-HA-PHLPP1 N-terminal truncation.

No alerts have been found for pcDNA3-HA-PHLPP1 N-terminal truncation.

Data and Source Information

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Chandra K, et al. (2023) PHLPP1 regulates PINK1-parkin signalling and life span. *Biochimica et biophysica acta. Molecular basis of disease*, 1869(6), 166718.

Balamurugan K, et al. (2022) PHLPP1 promotes neutral lipid accumulation through AMPK/ChREBP-dependent lipid uptake and fatty acid synthesis pathways. *iScience*, 25(2), 103766.

Cohen Katsenelson K, et al. (2019) PHLPP1 counter-regulates STAT1-mediated inflammatory signaling. *eLife*, 8.

Boonying W, et al. (2019) Pink1 regulates FKBP5 interaction with AKT/PHLPP and protects neurons from neurotoxin stress induced by MPP. *Journal of neurochemistry*, 150(3), 312.

Behera S, et al. (2018) ERK1/2 activated PHLPP1 induces skeletal muscle ER stress through the inhibition of a novel substrate AMPK. *Biochimica et biophysica acta. Molecular basis of disease*, 1864(5 Pt A), 1702.

Mason JA, et al. (2016) Oncogenic Ras differentially regulates metabolism and anoikis in extracellular matrix-detached cells. *Cell death and differentiation*, 23(8), 1271.

Bradley EW, et al. (2015) Deletion of the PH-domain and Leucine-rich Repeat Protein Phosphatase 1 (Phlpp1) Increases Fibroblast Growth Factor (Fgf) 18 Expression and Promotes Chondrocyte Proliferation. *The Journal of biological chemistry*, 290(26), 16272.

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

Alamuru NP, et al. (2014) A novel immunomodulatory function of PHLPP1: inhibition of iNOS via attenuation of STAT1 ser727 phosphorylation in mouse macrophages. *Journal of leukocyte biology*, 95(5), 775.

Fabian AK, et al. (2013) InterAKTions with FKBP5--mutational and pharmacological exploration. *PloS one*, 8(2), e57508.

Zhiqiang Z, et al. (2012) USP1 regulates AKT phosphorylation by modulating the stability of PHLPP1 in lung cancer cells. *Journal of cancer research and clinical oncology*, 138(7), 1231.