

Resource Summary Report

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

pcDNA3-HA-PHLPP1(N-terminal truncation)-deltaC

RRID:Addgene_22931

Type: Plasmid

Proper Citation

RRID:Addgene_22931

Plasmid Information

URL: <http://www.addgene.org/22931>

Proper Citation: RRID:Addgene_22931

Insert Name: PHLPP1-deltaC

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: Plasmid was created using PHLPP1 N-terminal truncation as template. Please note that PHLPP1 N-terminal truncation was referred to as PHLPP1alpha in the original publication (Gao et al. Mol Cell 2015)

Plasmid Name: pcDNA3-HA-PHLPP1(N-terminal truncation)-deltaC

Relevant Mutation: PHLPP-deltaC, deletion of PDZ binding domain--the last three amino acid residues 1203-1205.

Record Creation Time: 20220422T222102+0000

Record Last Update: 20260815T081216+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Datta C, et al. (2018) Genome-wide mRNA-miRNA profiling uncovers a role of the microRNA miR-29b-1-5p/PHLPP1 signalling pathway in Helicobacter pylori-driven matrix metalloproteinase production in gastric epithelial cells. Cellular microbiology, 20(9), e12859.

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.

Bradley EW, et al. (2013) Histone deacetylase 3 suppression increases PH domain and leucine-rich repeat phosphatase (Phlpp)1 expression in chondrocytes to suppress Akt signaling and matrix secretion. The Journal of biological chemistry, 288(14), 9572.