

Resource Summary Report

Generated by [NIF](#) on Aug 2, 2026

pWZL Neo Myr Flag PDK1

RRID:Addgene_20564

Type: Plasmid

Proper Citation

RRID:Addgene_20564

Plasmid Information

URL: <http://www.addgene.org/20564>

Proper Citation: RRID:Addgene_20564

Insert Name: PDK1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17574021](#)

Vector Backbone Description: Backbone Marker:William Hahn Lab (available at Addgene, #15300); Backbone Size:0; Vector Backbone:pWZL-Neo-Myr-Flag-DEST; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: ORFs were cloned into Gateway compatible pEntry vectors. An LR recombination reaction was performed to move the ORF to pWZL-Neo-Myr-Flag DEST such that the ORF would have 5' myristoylation and flag tags. This plasmid is part of a kinase library, and the gene has been verified, but has not been fully sequenced for minor mutations. Please see the following link for plasmids from this article that are not part of the kinase library <http://www.addgene.org/pubmed/17574021>

Plasmid Name: pWZL Neo Myr Flag PDK1

Record Creation Time: 20220422T222052+0000

Record Last Update: 20260801T080958+0000

Ratings and Alerts

No rating or validation information has been found for pWZL Neo Myr Flag PDK1.

No alerts have been found for pWZL Neo Myr Flag PDK1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Liiv M, et al. (2024) ER calcium depletion as a key driver for impaired ER-to-mitochondria calcium transfer and mitochondrial dysfunction in Wolfram syndrome. Nature communications, 15(1), 6143.

Xie Y, et al. (2022) HDAC2- and EZH2-Mediated Histone Modifications Induce PDK1 Expression through miR-148a Downregulation in Breast Cancer Progression and Adriamycin Resistance. Cancers, 14(15).

Nguyen DD, et al. (2016) Modulation of Muscle Fiber Compositions in Response to Hypoxia via Pyruvate Dehydrogenase Kinase-1. Frontiers in physiology, 7, 604.

Pate KT, et al. (2014) Wnt signaling directs a metabolic program of glycolysis and angiogenesis in colon cancer. The EMBO journal, 33(13), 1454.