

Resource Summary Report

Generated by [nidm-terms](#) on Aug 11, 2026

pLCKO2::TKOv3

RRID:Addgene_125517

Type: Plasmid

Proper Citation

RRID:Addgene_125517

Plasmid Information

URL: <http://www.addgene.org/125517>

Proper Citation: RRID:Addgene_125517

Insert Name: genome-wide

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30970261](#)

Vector Backbone Description: Backbone Size:7566; Vector Backbone:pLCKO2; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: pLCKO2::TKOv3

Record Creation Time: 20220422T221658+0000

Record Last Update: 20260808T080654+0000

Ratings and Alerts

No rating or validation information has been found for pLCKO2::TKOv3.

No alerts have been found for pLCKO2::TKOv3.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Martinelli AW, et al. (2025) Mapping the genetic landscape of iron metabolism uncovers the SETD2 methyltransferase as a modulator of iron flux. *Science advances*, 11(38), eadw9095.

Harper NW, et al. (2025) RNA Pol II inhibition activates cell death independently from the loss of transcription. *Cell*.

Meeusen B, et al. (2025) A functional map of phosphoprotein phosphatase regulation identifies an evolutionary conserved reductase for the catalytic metal ions. *bioRxiv* : the preprint server for biology.

Labib M, et al. (2024) Identification of druggable regulators of cell secretion via a kinome-wide screen and high-throughput immunomagnetic cell sorting. *Nature biomedical engineering*, 8(3), 263.

Ferrarone JR, et al. (2024) Genome-wide CRISPR screens in spheroid culture reveal that the tumor suppressor LKB1 inhibits growth via the PIKFYVE lipid kinase. *Proceedings of the National Academy of Sciences of the United States of America*, 121(21), e2403685121.

Ferrarone JR, et al. (2023) LKB1 suppresses growth and promotes the internalization of EGFR through the PIKFYVE lipid kinase. *bioRxiv* : the preprint server for biology.

Hertz EPT, et al. (2023) The SUMO-NIP45 pathway processes toxic DNA catenanes to prevent mitotic failure. *Nature structural & molecular biology*, 30(9), 1303.

Dickson AS, et al. (2023) A HIF independent oxygen-sensitive pathway for controlling cholesterol synthesis. *Nature communications*, 14(1), 4816.

Xing T, et al. (2023) Targeting the TCA cycle through cuproptosis confers synthetic lethality on ARID1A-deficient hepatocellular carcinoma. *Cell reports. Medicine*, 4(11), 101264.

Li L, et al. (2023) In vitro CRISPR screening uncovers CRT3 as a regulator of IFN- γ -induced ferroptosis of hepatocellular carcinoma. *Cell death discovery*, 9(1), 331.

Lin KH, et al. (2022) P2RY2-AKT activation is a therapeutically actionable consequence of XPO1 inhibition in acute myeloid leukemia. *Nature cancer*, 3(7), 837.

Chen Y, et al. (2022) CRISPR screens uncover protective effect of PSTK as a regulator of chemotherapy-induced ferroptosis in hepatocellular carcinoma. *Molecular cancer*, 21(1), 11.

van der Weegen Y, et al. (2021) ELOF1 is a transcription-coupled DNA repair factor that directs RNA polymerase II ubiquitylation. *Nature cell biology*, 23(6), 595.

Chan K, et al. (2019) Pooled CRISPR-Based Genetic Screens in Mammalian Cells. *Journal of visualized experiments : JoVE*(151).