Resource Summary Report

Generated by RRID on Aug 23, 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: 20260815T080416+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 RRID .

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 CRTC3 as a regulator of IFN-??-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).