Resource Summary Report

Generated by RRID on Aug 19, 2026

pLKO5.sgRNA.EFS.tRFP657

RRID:Addgene_57824
Type: Plasmid

Proper Citation

RRID:Addgene_57824

Plasmid Information

URL: http://www.addgene.org/57824

Proper Citation: RRID:Addgene_57824

Insert Name: sgRNA

Bacterial Resistance: Ampicillin

Defining Citation: PMID:24952903

Vector Backbone Description: Vector Backbone:pLKO.005; Vector Types:Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: Use BsmBI sites for sgRNA cloning. Note that this plasmid does NOT contain the 1.9kb stuffer from the pLKO.005 vector backbone.

Plasmid Name: pLKO5.sgRNA.EFS.tRFP657

Record Creation Time: 20220422T222335+0000

Record Last Update: 20260815T081709+0000

Ratings and Alerts

No rating or validation information has been found for pLKO5.sgRNA.EFS.tRFP657.

No alerts have been found for pLKO5.sgRNA.EFS.tRFP657.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 29 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Asada S, et al. (2026) Disruption of microhomology-mediated end joining in Ewing sarcoma. Molecular cell.

Duan S, et al. (2025) WNK1 signalling regulates amino acid transport and mTORC1 activity to sustain acute myeloid leukaemia growth. Nature communications, 16(1), 4920.

Zhang W, et al. (2024) Modeling and therapeutic targeting of t(8;21) AML with/without TP53 deficiency. International journal of hematology, 120(2), 186.

Chang YH, et al. (2024) SETDB1 suppresses NK cell-mediated immunosurveillance in acute myeloid leukemia with granulo-monocytic differentiation. Cell reports, 43(8), 114536.

Liu X, et al. (2023) IMPDH inhibition activates TLR-VCAM1 pathway and suppresses the development of MLL-fusion leukemia. EMBO molecular medicine, 15(1), e15631.

Guerrero-Santoro J, et al. (2023) The lipase cofactor CGI58 controls placental lipolysis. JCI insight, 8(10).

Xu H, et al. (2023) A lncRNA identifies Irf8 enhancer element in negative feedback control of dendritic cell differentiation. eLife, 12.

Liao CG, et al. (2022) Active demethylation upregulates CD147 expression promoting non-small cell lung cancer invasion and metastasis. Oncogene, 41(12), 1780.

Guo Z, et al. (2022) Defining pervasive transcription units using chromatin RNA-sequencing data. STAR protocols, 3(2), 101442.

Lu X, et al. (2022) HOXB13 suppresses de novo lipogenesis through HDAC3-mediated epigenetic reprogramming in prostate cancer. Nature genetics, 54(5), 670.

Luo H, et al. (2022) HOTTIP-dependent R-loop formation regulates CTCF boundary activity and TAD integrity in leukemia. Molecular cell, 82(4), 833.

Liu X, et al. (2022) The PAF1 complex promotes 3' processing of pervasive transcripts. Cell reports, 38(11), 110519.

Hoshii T, et al. (2022) SETD1A regulates transcriptional pause release of heme biosynthesis genes in leukemia. Cell reports, 41(9), 111727.

Singh AP, et al. (2022) A coordinated function of lncRNA HOTTIP and miRNA-196b underpinning leukemogenesis by targeting FAS signaling. Oncogene, 41(5), 718.

Smith J, et al. (2021) Locus-Specific DNA Methylation Editing in Melanoma Cell Lines Using a CRISPR-Based System. Cancers, 13(21).

Inoue D, et al. (2021) Minor intron retention drives clonal hematopoietic disorders and diverse cancer predisposition. Nature genetics, 53(5), 707.

Sun WY, et al. (2021) Phospholipase iPLA2? averts ferroptosis by eliminating a redox lipid death signal. Nature chemical biology, 17(4), 465.

Cabal-Hierro L, et al. (2020) Chromatin accessibility promotes hematopoietic and leukemia stem cell activity. Nature communications, 11(1), 1406.

Beharier O, et al. (2020) PLA2G6 guards placental trophoblasts against ferroptotic injury. Proceedings of the National Academy of Sciences of the United States of America, 117(44), 27319.

He BL, et al. (2020) Follistatin is a novel therapeutic target and biomarker in FLT3/ITD acute myeloid leukemia. EMBO molecular medicine, 12(4), e10895.