

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

[pLKO.3G](#)

RRID:Addgene_14748

Type: Plasmid

Proper Citation

RRID:Addgene_14748

Plasmid Information

URL: <http://www.addgene.org/14748>

Proper Citation: RRID:Addgene_14748

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:8174; Vector Backbone:pLKO.3G; Vector Types:Mammalian Expression, Lentiviral, RNAi; Bacterial Resistance:Ampicillin

Comments: A variant of pLKO.1 containing an eGFP marker rather than puromycin. Please note that the AgeI site is NOT unique for this vector, so shRNAs should be designed for cloning with EcoRI and PacI instead. Forward oligo: 5'-AATT—21bp sense—CTCGAG—21bp antisense—TTTTTTTAT-3'. Reverse oligo: 5'-AAAAAAA—21bp sense—CTCGAG—21bp antisense-3'. pLKO.3G was cloned by excising PAC-GFP from pLKO.3pgw and replacing it with eGFP from another vector using the enzymes BamHI and BsRGI.

Plasmid Name: pLKO.3G

Record Creation Time: 20220422T221825+0000

Record Last Update: 20260815T080707+0000

Ratings and Alerts

No rating or validation information has been found for pLKO.3G.

No alerts have been found for pLKO.3G.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 46 mentions in open access literature.

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

Xue W, et al. (2026) The miR-16-1-3p suppresses proliferation and invasiveness via the MDM2-p53 axis in TGF- β 1 signaling in osteosarcoma. *Molecular therapy. Oncology*, 34(2), 201249.

Nano PR, et al. (2026) Intrinsic coordination of dynamic molecular signatures shape the human prefrontal cortex. *bioRxiv : the preprint server for biology*.

Larsen RK, et al. (2025) Non-cell-autonomous tumor promotion in DICER1 cancer predisposition. *Developmental cell*.

Kimura-Hyoda T, et al. (2025) TP-0903 Suppresses Aurora A-PLK1 Signaling to Inhibit Proliferation of a Myelodysplastic Syndrome-Derived Cell Line. *Cancer science*.

Qiu J, et al. (2025) CHD7 binds to insulators during neuronal differentiation. *bioRxiv : the preprint server for biology*.

Martins C, et al. (2024) Tumor cell-intrinsic PD-1 promotes Merkel cell carcinoma growth by activating downstream mTOR-mitochondrial ROS signaling. *Science advances*, 10(3), eadi2012.

Yang S, et al. (2024) Machine learning unveils immune-related signature in multicenter glioma studies. *iScience*, 27(4), 109317.

Tian Y, et al. (2024) mRNA nuclear retention reduces AMPAR expression and promotes autistic behavior in UBE3A-overexpressing mice. *EMBO reports*, 25(3), 1282.

Moreno-Aguilera M, et al. (2024) KIS counteracts PTBP2 and regulates alternative exon usage in neurons. *eLife*, 13.

Berna-Erro A, et al. (2024) Differential functional role of Orai1 variants in constitutive Ca²⁺ entry and calcification in luminal breast cancer cells. *The Journal of biological chemistry*, 300(10), 107786.

Wang Y, et al. (2024) A pan-family screen of nuclear receptors in immunocytes reveals ligand-dependent inflammasome control. *Immunity*, 57(12), 2737.

Searcy MB, et al. (2023) PAX3-FOXO1 dictates myogenic reprogramming and rhabdomyosarcoma identity in endothelial progenitors. *Nature communications*, 14(1), 7291.

Xylaki M, et al. (2023) miR-101a-3p Impairs Synaptic Plasticity and Contributes to Synucleinopathy. *Journal of Parkinson's disease*, 13(2), 179.

Bonaud A, et al. (2023) Sec22b is a critical and nonredundant regulator of plasma cell maintenance. *Proceedings of the National Academy of Sciences of the United States of America*, 120(2), e2213056120.

Yoon Y, et al. (2023) STAC1 is required for glioblastoma cell invasion and survival. *Biochemical and biophysical research communications*, 674, 75.

Mao Q, et al. (2023) Murine trophoblast organoids as a model for trophoblast development and CRISPR-Cas9 screening. *Developmental cell*, 58(24), 2992.

Zhao S, et al. (2022) Genome-scale CRISPR-Cas9 screen reveals novel regulators of B7-H3 in tumor cells. *Journal for immunotherapy of cancer*, 10(6).

Padonou F, et al. (2022) Aire-dependent transcripts escape Raver2-induced splice-event inclusion in the thymic epithelium. *EMBO reports*, 23(3), e53576.

Thege FI, et al. (2022) Acquired chemoresistance drives spatial heterogeneity, chemoprotection and collective migration in pancreatic tumor spheroids. *PloS one*, 17(5), e0267882.

Qiao H, et al. (2022) Role of the DUB enzyme USP7 in dendritic arborization, neuronal migration, and autistic-like behaviors in mice. *iScience*, 25(7), 104595.