

Resource Summary Report

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pLKO.1 - TRC control

RRID:Addgene_10879

Type: Plasmid

Proper Citation

RRID:Addgene_10879

Plasmid Information

URL: <http://www.addgene.org/10879>

Proper Citation: RRID:Addgene_10879

Insert Name: non-hairpin 18bp

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16564017](#)

Vector Backbone Description: Backbone Size:7032; Vector Backbone:pLKO.1; Vector Types:Mammalian Expression, Lentiviral, RNAi; Bacterial Resistance:Ampicillin

Comments: This plasmid is recommended by The RNAi Consortium for use as a non-hairpin control http://www.broad.mit.edu/genome_bio/trc/ The 18bp between AgeI and EcoRI of this plasmid are CCGCAGGTATGCACGCGT. The link to the author's map shows the key features of this vector before the 18bp were cloned in. Also, see Addgene's pLKO.1 protocol <http://www.addgene.org/plko> on how to use the pLKO.1 vector.

Plasmid Name: pLKO.1 - TRC control

Record Creation Time: 20220422T221528+0000

Record Last Update: 20250329T090048+0000

Ratings and Alerts

No rating or validation information has been found for pLKO.1 - TRC control.

No alerts have been found for pLKO.1 - TRC control.

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 [FDI Lab - SciCrunch.org](#).

Wang D, et al. (2024) FOXA3 regulates cholesterol metabolism to compensate for low uptake during the progression of lung adenocarcinoma. PLoS biology, 22(5), e3002621.

Chen YL, et al. (2024) Intrinsic and extrinsic actions of human neural progenitors with SUFU inhibition promote tissue repair and functional recovery from severe spinal cord injury. NPJ Regenerative medicine, 9(1), 13.

Yang X, et al. (2024) Mcam inhibits macrophage-mediated development of mammary gland through non-canonical Wnt signaling. Nature communications, 15(1), 36.

Liang H, et al. (2024) Tumour-derived exosome SNHG17 induced by oestrogen contributes to ovarian cancer progression via the CCL13-CCR2-M2 macrophage axis. Journal of cellular and molecular medicine, 28(9), e18315.

Broz MT, et al. (2024) Metabolic targeting of cancer associated fibroblasts overcomes T-cell exclusion and chemoresistance in soft-tissue sarcomas. Nature communications, 15(1), 2498.

McCurry CM, et al. (2024) NLRP3 Inflammasome Priming in the Retina of Diabetic Mice Requires REDD1-Dependent Activation of GSK3?. Investigative ophthalmology & visual science, 65(3), 34.

Han C, et al. (2024) Cystine deprivation triggers CD36-mediated ferroptosis and dysfunction of tumor infiltrating CD8+ T cells. Cell death & disease, 15(2), 145.

Pan Q, et al. (2024) EGFR core fucosylation, induced by hepatitis C virus, promotes TRIM40-mediated-RIG-I ubiquitination and suppresses interferon-I antiviral defenses. Nature communications, 15(1), 652.

Ju RJ, et al. (2024) Compression-dependent microtubule reinforcement enables cells to navigate confined environments. Nature cell biology, 26(9), 1520.

Hu X, et al. (2024) A gut-derived hormone regulates cholesterol metabolism. *Cell*, 187(7), 1685.

Zhao W, et al. (2024) SLC13A3 is a major effector downstream of activated β -catenin in liver cancer pathogenesis. *Nature communications*, 15(1), 7522.

Liu Q, et al. (2024) Metabolic Profiling of Cochlear Organoids Identifies β -Ketoglutarate and NAD⁺ as Limiting Factors for Hair Cell Reprogramming. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 11(34), e2308032.

Liu Q, et al. (2024) PRPS2-mediated modulation of the antitumor immune response in lung cancer through CCL2-mediated tumor-associated macrophages and myeloid-derived suppressor cells. *Thoracic cancer*, 15(23), 1739.

Wu X, et al. (2024) Cysteine-rich with EGF-like domains 2 (CRELD2) is an endoplasmic reticulum stress-inducible angiogenic growth factor promoting ischemic heart repair. *Nature cardiovascular research*, 3(2), 186.

Bukhari M, et al. (2023) Fibroblast activation protein drives tumor metastasis via a protease-independent role in invadopodia stabilization. *Cell reports*, 42(10), 113302.

Simpson Ragdale H, et al. (2023) Injury primes mutation-bearing astrocytes for dedifferentiation in later life. *Current biology : CB*, 33(6), 1082.

Sunilkumar S, et al. (2023) REDD1-dependent GSK3 β dephosphorylation promotes NF- κ B activation and macrophage infiltration in the retina of diabetic mice. *The Journal of biological chemistry*, 299(8), 104991.

Li G, et al. (2023) Intersection of immune and oncometabolic pathways drives cancer hyperprogression during immunotherapy. *Cancer cell*, 41(2), 304.

Loedige I, et al. (2023) mRNA stability and m6A are major determinants of subcellular mRNA localization in neurons. *Molecular cell*, 83(15), 2709.

Pedrazza L, et al. (2023) HERC1 deficiency causes osteopenia through transcriptional program dysregulation during bone remodeling. *Cell death & disease*, 14(1), 17.