

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

[pLX304](#)

RRID:Addgene_25890

Type: Plasmid

Proper Citation

RRID:Addgene_25890

Plasmid Information

URL: <http://www.addgene.org/25890>

Proper Citation: RRID:Addgene_25890

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:21706014](#)

Vector Backbone Description: Backbone Size:9377; Vector Backbone:pLKO; Vector Types:Mammalian Expression, Lentiviral, Gateway Cloning; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: There is a C-terminal V5 tag followed by a Stop codon directly after the Gateway sequence.

Plasmid Name: pLX304

Record Creation Time: 20220422T222115+0000

Record Last Update: 20260815T081246+0000

Ratings and Alerts

No rating or validation information has been found for pLX304.

No alerts have been found for pLX304.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 166 mentions in open access literature.

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

Melhuish TA, et al. (2026) A simple method for analyzing competitive growth of multiple cell types in xenograft tumors. *bioRxiv : the preprint server for biology*.

Lei G, et al. (2026) Cuproptosis-immunity crosstalk informs strategy to overcome immunotherapy resistance. *Cell*.

Horie H, et al. (2026) Three-dimensional reconstruction of a biliary system in a bioengineered liver using decellularized scaffold. *Scientific reports*, 16(1).

Chava S, et al. (2026) Loss of EHMT2 enhances NK cell-driven anti-tumor immunity through TGF- β 1 suppression. *EMBO molecular medicine*, 18(1), 232.

Fang J, et al. (2026) Genome-wide CRISPR screen identifies a cytokine-enhancer circuit driving HIF-2 α activation in renal cancer. *The Journal of clinical investigation*, 136(10).

Karner H, et al. (2026) Integrative analysis of mRNA stability regulation uncovers a metastasis-suppressive program in breast cancer. *Science advances*, 12(11), eaea9061.

Karunaraj P, et al. (2026) A hotspot phosphorylation site on SHP2 drives oncoprotein activation and drug resistance. *Nature communications*, 17(1).

Elhaw AT, et al. (2026) RHOV Is a Detachment-Responsive Rho GTPase Necessary for Ovarian Cancer Peritoneal Metastasis. *Cancer research*, 86(11), 2623.

Koochaki P, et al. (2026) Structure-guided optimization of SLC1A1/EAAT3-selective inhibitors targeting renal cancer metabolism. *The EMBO journal*, 45(11), 3763.

Sunami T, et al. (2026) IGF2BP3 is essential for the growth heterogeneity of colorectal adenoma cells by regulating MYC. *iScience*, 29(7), 116535.

Caggiano R, et al. (2025) Suppression of ADP-ribosylation reversal triggers cell vulnerability to alkylating agents. *Neoplasia (New York, N.Y.)*, 59, 101092.

Dinesh RK, et al. (2025) Membrane-wide screening identifies potential tissue-specific determinants of SARS-CoV-2 tropism. *PLoS pathogens*, 21(7), e1013157.

Karunaraj P, et al. (2025) A Hotspot Phosphorylation Site on SHP2 Drives Oncoprotein Activation and Drug Resistance. *Research square*.

Salomó Coll C, et al. (2025) ER-phagy and proteostasis defects prime pancreatic epithelial state changes in KRAS-mediated oncogenesis. *Developmental cell*.

Johns E, et al. (2025) The Lipid Droplet Protein DHRS3 Is a Regulator of Melanoma Cell State. *Pigment cell & melanoma research*, 38(1), e13208.

Grubb T, et al. (2025) The SLC1A1/EAAT3 dicarboxylic amino acid transporter is an epigenetically dysregulated nutrient carrier that sustains oncogenic metabolic programs. *Nature communications*, 16(1), 10012.

Dunlap KN, et al. (2025) SLC7A5 is required for cancer cell growth under arginine-limited conditions. *Cell reports*, 44(1), 115130.

Lee C, et al. (2025) DMXL1 promotes recruitment of V1-ATPase to lysosomes upon TRPML1 activation. *Nature structural & molecular biology*.

Karunaraj P, et al. (2025) A Hotspot Phosphorylation Site on SHP2 Drives Oncoprotein Activation and Drug Resistance. *bioRxiv* : the preprint server for biology.

Mannherz W, et al. (2025) Metabolic constraint of human telomere length by nucleotide salvage efficiency. *Nature communications*, 16(1), 3000.