

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on May 9, 2025

lentiCRISPRv2 hygro

RRID:Addgene_98291

Type: Plasmid

Proper Citation

RRID:Addgene_98291

Plasmid Information

URL: <http://www.addgene.org/98291>

Proper Citation: RRID:Addgene_98291

Insert Name: P2A-hygro

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30894629](https://pubmed.ncbi.nlm.nih.gov/30894629/)

Vector Backbone Description: Backbone Marker:Feng Zhang (Addgene #52961); Backbone Size:15261; Vector Backbone:lentiCRISPRv2; Vector Types:Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: Double stranded oligonucleotides encoding sgRNA sequences can be cloned between the BsmBI restriction sites as for lentiCRISPRv2. The second MluI site in the original lentiCRISPRv2 plasmid was destroyed by Klenow end-filling and religation after MluI digestion. For target guide (sgRNA) sequence cloning instructions, please see <https://www.addgene.org/52961> for the Zhang's lab lentiCRISPR v2 guide.

Plasmid Name: lentiCRISPRv2 hygro

Record Creation Time: 20220422T222629+0000

Record Last Update: 20231115T081115+0000

Ratings and Alerts

No rating or validation information has been found for lentiCRISPRv2 hygro.

No alerts have been found for lentiCRISPRv2 hygro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Krishnamoorthy V, et al. (2024) The SPATA5-SPATA5L1 ATPase complex directs replisome proteostasis to ensure genome integrity. *Cell*, 187(9), 2250.

Francis JW, et al. (2024) FAM86A methylation of eEF2 links mRNA translation elongation to tumorigenesis. *Molecular cell*.

Su P, et al. (2024) In vivo CRISPR screens identify a dual function of MEN1 in regulating tumor-microenvironment interactions. *Nature genetics*, 56(9), 1890.

Hua R, et al. (2024) Experimental evidence for cancer resistance in a bat species. *Nature communications*, 15(1), 1401.

Kang S, et al. (2024) Metabolic and transcriptomic reprogramming during contact inhibition-induced quiescence is mediated by YAP-dependent and YAP-independent mechanisms. *Nature communications*, 15(1), 6777.

David C, et al. (2024) Gain-of-function human UNC93B1 variants cause systemic lupus erythematosus and chilblain lupus. *The Journal of experimental medicine*, 221(8).

Leuzzi G, et al. (2024) SMARCAL1 is a dual regulator of innate immune signaling and PD-L1 expression that promotes tumor immune evasion. *Cell*, 187(4), 861.

So CL, et al. (2024) Cellular geometry and epithelial-mesenchymal plasticity intersect with PIEZO1 in breast cancer cells. *Communications biology*, 7(1), 467.

Wright AP, et al. (2024) Interferon regulatory factor 6 (IRF6) determines intestinal epithelial cell development and immunity. *Mucosal immunology*, 17(4), 633.

Choi S, et al. (2024) Hippo-YAP/TAZ signalling coordinates adipose plasticity and energy balance by uncoupling leptin expression from fat mass. *Nature metabolism*, 6(5), 847.

Garcia MF, et al. (2024) Dynamic convergence of autism disorder risk genes across neurodevelopment. *bioRxiv : the preprint server for biology*.

Ozawa H, et al. (2024) MUC1-C Dependence for the Progression of Pancreatic Neuroendocrine Tumors Identifies a Druggable Target for the Treatment of This Rare Cancer. *Biomedicines*, 12(7).

Wu K, et al. (2024) Non-muscle myosin 2 can incorporate into established filaments in cells without an assembly competence domain. *bioRxiv : the preprint server for biology*.

Hänggi K, et al. (2024) Interleukin-1 β release during necrotic-like cell death generates myeloid-driven immunosuppression that restricts anti-tumor immunity. *Cancer cell*, 42(12), 2015.

Xiao Z, et al. (2023) Desmoplastic stroma restricts T cell extravasation and mediates immune exclusion and immunosuppression in solid tumors. *Nature communications*, 14(1), 5110.

Sekine Y, et al. (2023) A mitochondrial iron-responsive pathway regulated by DELE1. *Molecular cell*, 83(12), 2059.

Nadler MJS, et al. (2023) Hominoid SVA-lncRNA AK057321 targets human-specific SVA retrotransposons in SCN8A and CDK5RAP2 to initiate neuronal maturation. *Communications biology*, 6(1), 347.

Lin SC, et al. (2022) Generation of CRISPR-Cas9-mediated genetic knockout human intestinal tissue-derived enteroid lines by lentivirus transduction and single-cell cloning. *Nature protocols*, 17(4), 1004.

Pesch AM, et al. (2022) Bcl-xL inhibition radiosensitizes PIK3CA/PTEN wild-type triple negative breast cancers with low Mcl-1 expression. *Cancer research communications*, 2(7), 679.

de Mingo Pulido Á, et al. (2021) The inhibitory receptor TIM-3 limits activation of the cGAS-STING pathway in intra-tumoral dendritic cells by suppressing extracellular DNA uptake. *Immunity*, 54(6), 1154.