

Resource Summary Report

Generated by [RRID](#) on Sep 3, 2026

lentiCRISPRv2 puro

RRID:Addgene_98290

Type: Plasmid

Proper Citation

RRID:Addgene_98290

Plasmid Information

URL: <http://www.addgene.org/98290>

Proper Citation: RRID:Addgene_98290

Insert Name: P2A-puro

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30894629](#)

Vector Backbone Description: Backbone Marker:Feng Zhang (Addgene #52961); Backbone Size:14877; Vector Backbone:lentiCRISPRv2; Vector Types:Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: P2A-antibiotic resistance gene cassettes from the plasmids in this deposit (<https://www.addgene.org/depositing/74286/>) can be cloned in place of the P2A-puro gene using the unique BamHI and MluI sites. 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 puro

Record Creation Time: 20220422T222629+0000

Record Last Update: 20260902T050538+0000

Ratings and Alerts

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

No alerts have been found for lentiCRISPRv2 puro.

Data and Source Information

Usage and Citation Metrics

We found 256 mentions in open access literature.

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

Schaap G, et al. (2026) The murine MHC-E molecule Qa-1b is surface displayed in a peptide-free conformation in homeostasis. *Frontiers in immunology*, 17, 1743362.

Kunishima A, et al. (2026) Depleting HIF α attenuates the progression of osteosarcoma, but tumorigenicity is sustained through HIF-independent pathways. *Oncology reports*, 55(5).

Ehlers L, et al. (2026) ADA2-deficient cells exhibit increased levels of cell death and metabolic disturbances. *Cell death discovery*, 12(1).

Kutseikin S, et al. (2026) Pharmacological Inhibition of SLC33A1 Promotes Endoplasmic Reticulum Hyperoxidation and Induces Adaptive IRE1/XBP1s Signaling. *bioRxiv : the preprint server for biology*.

Deol KK, et al. (2026) Vitamin B2 metabolism promotes FSP1 stability to prevent ferroptosis. *Nature structural & molecular biology*, 33(3), 525.

Zhuang Y, et al. (2026) A nanobody-based proteolysis-targeting chimera offers broad-spectrum protection against diverse influenza virus infections. *Signal transduction and targeted therapy*, 11(1).

Pillai R, et al. (2026) LIF-Induced Tumor Plasticity Establishes an Immunosuppressive Myeloid Niche in LKB1-Mutant Lung Cancer. *Cancer discovery*, 16(7), 1436.

Laub S, et al. (2026) Integrative genomics and single-cell CRISPRi screening dissect Alzheimer GWAS non-coding variants regulating TSPAN14. *American journal of human genetics*, 113(6), 1253.

Purcell J, et al. (2026) DUSP11 is an RNA triphosphatase that limits PspCas13b activity by destabilizing gRNA abundance in mammalian cells. *Nucleic acids research*, 54(8).

Soliman SHA, et al. (2026) Hypoxia-responsive interaction between P-TEFb, BHLHE40, and Tim8-Tim13 regulates hypoxic gene transcription. *Science advances*, 12(21), eadz9295.

Pardo E, et al. (2026) Mitochondrial NADK2-dependent NADPH controls tau oligomer uptake in human neurons. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 22(6), e71594.

Davanzo GG, et al. (2026) Temporal control of macrophage pro-inflammatory phenotype by a biphasic HIF-1 α regulatory program. *Molecular cell*.

Kim M, et al. (2026) Bone Metastatic Progression of Prostate Cancer Is Regulated by TRIM28-LDHA-Mediated Metabolism. *Molecular cancer research : MCR*, 24(2), 93.

Kanokogi T, et al. (2026) Temporal control of Nij1 activation determines cell-to-cell heterogeneity in IL-33 release. *Communications biology*.

Rodriguez GE, et al. (2026) Rewiring STAT signaling from the cell surface with Trikin immunotherapeutics. *Science (New York, N.Y.)*, 392(6799), eadx9954.

Liu J, et al. (2026) Targeting the noncanonical function of metabolic enzyme PHGDH in driving PD-L1 expression and cancer immune evasion. *Cell reports. Medicine*, 7(4), 102704.

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.

Duan X, et al. (2026) DDR1 Promotes Immune Evasion in Colorectal Cancer by Orchestrating IL33-Mediated M2-like Polarization of Tumor-Associated Macrophages. *Cancer immunology research*, 14(6), 900.

Assi M, et al. (2026) Extracellular matrix sensing regulates intratumoral heterogeneity of autophagic flux. *Cell*, 189(6), 1731.

Jiang C, et al. (2026) An Episomal Clustered Regularly Interspaced Short Palindromic Repeats/Cas9 System for Transgene-Free Multiplex Gene Editing in Pig Cells. *Biology*, 15(10).