

Resource Summary Report

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

lentiGuide-Puro

RRID:Addgene_52963

Type: Plasmid

Proper Citation

RRID:Addgene_52963

Plasmid Information

URL: <http://www.addgene.org/52963>

Proper Citation: RRID:Addgene_52963

Insert Name: S. pyogenes sgRNA cassette

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25075903](#)

Vector Backbone Description: Vector Backbone:Custom; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: Note that this plasmid does NOT contain Cas9. It should be used in conjunction with lentiCas9-Blast (Addgene #52962) or otherwise with cell lines already expressing Cas9. Special note from the Zhang lab: We are constantly improving our CRISPR reagents. Please check <https://zlab.bio/> for the most up-to-date information.

Plasmid Name: lentiGuide-Puro

Record Creation Time: 20220422T222310+0000

Record Last Update: 20260815T081626+0000

Ratings and Alerts

No rating or validation information has been found for lentiGuide-Puro.

No alerts have been found for lentiGuide-Puro.

Data and Source Information

Usage and Citation Metrics

We found 874 mentions in open access literature.

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

Zhang X, et al. (2026) Human pancreatic progenitor organoids define genetic and epigenetic barriers to early PDAC transformation. *Developmental cell*, 61(6), 1190.

Rathore U, et al. (2026) Systematic discovery of pro- and anti-HIV host factors in primary human CD4+ T cells. *Cell*, 189(12), 3651.

Raheja M, et al. (2026) A microprotein encoded by FERMT3 modulates endothelial cell protein catabolism and induces cell cycle arrest and senescence. *Cell communication and signaling : CCS*, 24(1).

Bashir H, et al. (2026) Chronic stress unleashes an intratumor phage-fibroblast-B cell circuit to promote tumor growth. *Cancer cell*, 44(7), 1458.

Yuan S, et al. (2026) Sequential in vivo CRISPR screens identify the clonal dominance of Nf1 loss in long-term hematopoiesis. *Blood science (Baltimore, Md.)*, 8(2), e00294.

Shulman A, et al. (2026) Fidelity-Ensuring Consistency of Mitosis is Safeguarded by the 53BP1-USP28-p53 Pathway. *bioRxiv : the preprint server for biology*.

Kuroda S, et al. (2026) The Cyclin C-CDK8/19 Mediator kinase module controls PRCC-TFE3 driven senescence in renal epithelium and tumorigenesis in TFE3-RCC. *Neoplasia (New York, N.Y.)*, 75, 101296.

Neve B, et al. (2026) Long non-coding RNA UCA1 modulates SMARCA2-containing SWI/SNF chromatin remodeling complexes in human colorectal cancer. *iScience*, 29(1), 114283.

Kelley VM, et al. (2026) Loss of JAK1 Function Causes G2-M Cell-Cycle Defects Vulnerable to KIF18A Inhibition. *Cancer research*, 86(9), 2301.

Beauchemin KS, et al. (2026) Genome-wide screens identify core regulators of cell surface prion protein expression. *Scientific reports*, 16(1), 5895.

Park SB, et al. (2026) Human pluripotent stem cell engineering with CRISPR-Cas9 for Parkinson's disease. *Experimental & molecular medicine*, 58(4), 993.

Keshet G, et al. (2026) A single-cell CRISPR screen defines a gene regulatory network governing human pluripotency in primed and naive cells. *Cell reports*, 45(4), 117124.

Jong RM, et al. (2026) Cas9+ conditionally immortalized neutrophil progenitors as a tool for genome-wide CRISPR screening for neutrophil differentiation and function. *eLife*, 15.

Omachi K, et al. (2026) Glomerular basement membrane structural integrity dictates trans-tissue deposition of laminin in the kidney. *Cell reports*, 45(3), 117006.

Wang Z, et al. (2026) Multidimensional mapping of stimulation-responsive regulatory elements and candidate causal variants in T cell activation. *Science advances*, 12(1), eady2539.

Saurat N, et al. (2026) Genome-wide CRISPR screen identifies neddylation as a regulator of neuronal aging and AD neurodegeneration. *Cell stem cell*, 33(2), 355.

Lee M, et al. (2026) LINE-1 Locus Transcription Nucleates Oncogenic Chromatin Architecture. *Cancer discovery*, 16(4), 800.

Lewis AC, et al. (2026) Inhibition of heme biosynthesis triggers cuproptosis in acute myeloid leukemia. *Cell*, 189(1), 215.

Moura F, et al. (2026) Enhancing gene therapy vectors manufacturing: CEBPA as a master regulator of rAAV biogenesis. *Journal of biological engineering*, 20(1), 24.

Garellick VA, et al. (2026) Amino acid restriction sensitizes lung cancer cells to ferroptosis via GCN2-dependent activation of the integrated stress response. *Redox biology*, 90, 103988.