

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 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: 20260902T045649+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 [dkNET](#) .

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.

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

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.

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).

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

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

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.

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.

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

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.

Jiang Y, et al. (2026) The castration-resistant prostate cancer-associated SNP rs11067228 facilitates neuroendocrine differentiation through an enhancer-mediated chromatin interaction with SRRM4. *International journal of biological sciences*, 22(3), 1440.

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.