Resource Summary Report

Generated by dkNET on Sep 7, 2026

lentiCRISPR v2

RRID:Addgene_52961
Type: Plasmid

Proper Citation

RRID:Addgene_52961

Plasmid Information

URL: http://www.addgene.org/52961

Proper Citation: RRID:Addgene_52961

Insert Name: Cas9

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: PMID:25075903

Vector Backbone Description: Backbone Size:10000; Vector Backbone:Custom; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: This plasmid is an updated version of the original lentiCRISPR (Addgene plasmid #49535) IMPORTANT: The primers suggestions listed above are for gene inserts that exist in the untouched vector. After you have inserted your gRNA, you should use hU6-F (5'-GAGGGCCTATTTCCCATGATT-3') or LKO.1 5’(5'-GACTATCATATGCTTACCGT-3') to sequence that region. 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: lentiCRISPR v2

Record Creation Time: 20220422T222310+0000

Record Last Update: 20260905T075756+0000

Ratings and Alerts

No rating or validation information has been found for lentiCRISPR v2.

No alerts have been found for lentiCRISPR v2.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 3693 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Hu X, et al. (2026) Immune gene diversity and STING1 variants in shaping cancer immunity across different genetic ancestry populations. Cell reports, 45(2), 116882.

Daly J, et al. (2026) CRISPR activation screens map the genomic landscape of cancer glycome remodeling. Cell genomics, 6(4), 101139.

Chen B, et al. (2026) BRD4-mediated ER membrane contact creates functionally distinct mitochondrial subtypes. Molecular cell, 86(5), 917.

Uible EE, et al. (2026) Scaffolding-dependent CASP1 constrains excessive cell-intrinsic inflammatory signaling in leukemia. Cell chemical biology, 33(1), 59.

Li L, et al. (2026) Ubiquitination-directed cytosolic DNA degradation governs cGAS-STING-mediated immune response to DNA damage. Cancer cell.

Liu Y, et al. (2026) Discovery of MARK2 as a physiological kinase for PER2 in the mammalian clock. Cell chemical biology, 33(3), 379.

Shah A, et al. (2026) ZAP targets aberrant mRNA transcripts encoding proteins with defective signal peptides for degradation. The EMBO journal, 45(8), 2638.

Zeng B, et al. (2026) HE4 drives PD-L1 expression in myeloid cells via IFN-?R-JAK-STAT3 signaling to promote tumor immune evasion. Cell reports. Medicine, 7(4), 102691.

Su M, et al. (2026) FASN inactivation-induced progranulin (GRN) expression promotes lysosome-dependent cell death to suppress leukemogenesis. Cell reports, 45(3), 117042.

van Dinther M, et al. (2026) Decoding the Mechanism of Action of a Parasite TGF? antagonist Inspires the Creation of Cell-type-specific TGF? Modulators. bioRxiv : the preprint server for biology.

Xie A, et al. (2026) Citrate clearance is a major function of aconitase 2 in the canonical TCA cycle. Cell, 189(9), 2684.

Suzuki T, et al. (2026) Lysine lactylation regulates ATF4-mediated stress responses under glucose starvation in canine hemangiosarcoma. Frontiers in veterinary science, 13, 1734339.

Yue F, et al. (2026) Loss of ZNRF3/RNF43 unleashes EGFR in cancer. eLife, 13.

Cao Y, et al. (2026) Targeting the ferritinophagy-lysosome axis as a therapeutic vulnerability in gastroenteropancreatic neuroendocrine tumors. Cell reports. Medicine, 7(4), 102695.

Ren X, et al. (2026) CRISPR tiling deletion screens reveal functional enhancers and allelic compensation effects (ACE) on SIN3A transcription. Nature communications, 17(1).

Huo C, et al. (2026) Loss-of-function variants in ODAD1 disrupt ODA docking and induce actin cytoskeletal remodeling in primary ciliary dyskinesia. Cell discovery, 12(1).

Liu X, et al. (2026) Claudins interact with LILRB immune inhibitory receptors to promote myeloid immunosuppression in cancer. Science immunology, 11(118), eadt7832.

Ramesh PS, et al. (2026) Inactivation of the RB1 and PTPN14 tumor suppressors cooperatively enables the carcinogenic activity of the human papillomavirus E7 oncoprotein. bioRxiv : the preprint server for biology.

Cheng L, et al. (2026) p53 safeguards chemical reprogramming of human somatic cells toward pluripotency. Cell, 189(12), 3541.

Wang X, et al. (2026) Tissue-selective COPII modulator SEC16B aggravates cardiovascular disease by promoting lipid export. The EMBO journal, 45(11), 3731.