Resource Summary Report

Generated by dkNET on Jul 31, 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: 20260725T074825+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 3500 mentions in open access literature.

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

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.

Drekolia MK, et al. (2026) Cystine import and oxidative catabolism fuel vascular growth and repair via nutrient-responsive histone acetylation. Cell metabolism, 38(1), 115.

Guo W, et al. (2026) Tumor-initiating stem cells fine-tune the plasticity of neutrophils to sculpt a protective niche. Cancer cell, 44(1), 94.

Li G, et al. (2026) Mitochondrial VHL rewires cell metabolism in hypoxia. Cell metabolism, 38(1), 174.

Amiri M, et al. (2026) Distinct Roles of SLC26A3 and CFTR in Surface pH Regulation and Bicarbonate Secretion in Human Intestinal Epithelium. Acta physiologica (Oxford, England), 242(2), e70157.

Chen Y, et al. (2025) CDK2 inhibition sensitizes anthracycline-induced immunogenic cell death and enhances the efficacy of anti-PD-1 therapy. Frontiers in immunology, 16, 1570040.

Liu JC, et al. (2025) Mechanism of cytarabine-induced neurotoxicity. Nature, 643(8074), 1400.

Feng Y, et al. (2025) FAM72A promotes UNG2 degradation and mutagenesis in human cancer cells. Scientific reports, 15(1), 23467.

Tang D, et al. (2025) Augment proteasome inhibitor efficacy activates CD8+ T cell-mediated antitumor immunity in breast cancer. Cell reports. Medicine, 6(7), 102211.

Yigit BN, et al. (2025) Loss of Eml1 alters microtubule-associated protein networks in mouse brain heterotopia. Communications biology, 8(1), 989.

Daquinag AC, et al. (2025) Fibulin-4 is highly expressed in metastatic breast cancer and can serve as a target of peptide-based imaging probes and experimental therapeutics. bioRxiv : the preprint server for biology.

Jin Z, et al. (2025) Pantothenic acid ameliorates hepatic fibrosis by targeting IGFBP6 to regulate the TGF-?/SMADs pathway. Communications biology, 8(1), 1127.

Liu Y, et al. (2025) VapC toxins promote the pathogenesis of Rickettsia heilongjiangensis by cleaving essential RNAs from both Rickettsia and its host. PLoS pathogens, 21(7), e1013380.

Maldosevic E, et al. (2025) A molecular switch in NAC prevents mitochondrial protein mistargeting by SRP. bioRxiv : the preprint server for biology.

Harhai M, et al. (2025) An updated inventory of genes essential for oxidative phosphorylation identifies a mitochondrial origin in familial Ménière's disease. Cell reports, 44(8), 116069.

Liu Y, et al. (2025) Translation efficiency covariation identifies conserved coordination patterns across cell types. Nature biotechnology.

Uranishi K, et al. (2025) MGA directly recruits SETDB1/ATF7IP for histone H3K9me3 mark on meiosis-related genes in mouse embryonic stem cells. iScience, 28(8), 113059.

Pattarayan D, et al. (2025) The lncRNA EPIC1 suppresses dsRNA-induced type I IFN signaling and is a therapeutic target to enhance TNBC response to PD-1 inhibition. Science signaling, 18(899), eadr9131.

Bi H, et al. (2025) DDX41 resolves G-quadruplexes to maintain erythroid genome integrity and prevent cGAS-mediated cell death. Nature communications, 16(1), 7195.