Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 7, 2025

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: 20231115T080821+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 960 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Fu W, et al. (2025) Tau is a receptor with low affinity for glucocorticoids and is required for glucocorticoid-induced bone loss. Cell research, 35(1), 23.

Wang M, et al. (2025) Gut microbiota protect against colorectal tumorigenesis through lncRNA Snhg9. Developmental cell.

Wolf G, et al. (2025) The efflux pump ABCC1/MRP1 constitutively restricts PROTAC sensitivity in cancer cells. Cell chemical biology, 32(2), 291.

Hosono Y, et al. (2025) Identification of ?-galactosylceramide as an endogenous mammalian antigen for iNKT cells. The Journal of experimental medicine, 222(2).

Neehus AL, et al. (2024) Human inherited CCR2 deficiency underlies progressive polycystic lung disease. Cell, 187(2), 390.

Li F, et al. (2024) Blocking methionine catabolism induces senescence and confers vulnerability to GSK3 inhibition in liver cancer. Nature cancer, 5(1), 131.

Wang HH, et al. (2024) Hypomorphic variants of SEL1L-HRD1 ER-associated degradation are associated with neurodevelopmental disorders. The Journal of clinical investigation, 134(2).

Weis D, et al. (2024) Biallelic Cys141Tyr variant of SEL1L is associated with neurodevelopmental disorders, agammaglobulinemia, and premature death. The Journal of clinical investigation, 134(2).

Cevatemre B, et al. (2024) Exploiting epigenetic targets to overcome taxane resistance in prostate cancer. Cell death & disease, 15(2), 132.

Guo P, et al. (2024) A methylation-phosphorylation switch controls EZH2 stability and hematopoiesis. eLife, 13.

Lv S, et al. (2024) TFE3-SLC36A1 axis promotes resistance to glucose starvation in kidney

cancer cells. The Journal of biological chemistry, 300(5), 107270.

Zhang Y, et al. (2024) ASXLs binding to the PHD2/3 fingers of MLL4 provides a mechanism for the recruitment of BAP1 to active enhancers. Nature communications, 15(1), 4883.

Sepulveda GP, et al. (2024) DOT1L stimulates MYC/Mondo transcription factor activity by promoting its degradation cycle on chromatin. bioRxiv : the preprint server for biology.

Pahl MC, et al. (2024) Variant to gene mapping for carpal tunnel syndrome risk loci implicates skeletal muscle regulatory elements. EBioMedicine, 101, 105038.

Hazan JM, et al. (2024) Integration of transcription regulation and functional genomic data reveals lncRNA SNHG6's role in hematopoietic differentiation and leukemia. Journal of biomedical science, 31(1), 27.

Jiang F, et al. (2024) A landscape of gene expression regulation for synovium in arthritis. Nature communications, 15(1), 1409.

Xue G, et al. (2024) Clinical drug screening reveals clofazimine potentiates the efficacy while reducing the toxicity of anti-PD-1 and CTLA-4 immunotherapy. Cancer cell.

Deng B, et al. (2024) AURKA emerges as a vulnerable target for KEAP1-deficient non-small cell lung cancer by activation of asparagine synthesis. Cell death & disease, 15(3), 233.

Wang L, et al. (2024) Induction of immortal-like and functional CAR T cells by defined factors. The Journal of experimental medicine, 221(5).

Kundu A, et al. (2024) l-2-Hydroxyglutarate remodeling of the epigenome and epitranscriptome creates a metabolic vulnerability in kidney cancer models. The Journal of clinical investigation, 134(13).