

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

pLX_311-KRAB-dCas9

RRID:Addgene_96918

Type: Plasmid

Proper Citation

RRID:Addgene_96918

Plasmid Information

URL: <http://www.addgene.org/96918>

Proper Citation: RRID:Addgene_96918

Insert Name: dCas9

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28534478](#)

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

Plasmid Name: pLX_311-KRAB-dCas9

Relevant Mutation: dCas9

Record Creation Time: 20220422T222625+0000

Record Last Update: 20260815T082231+0000

Ratings and Alerts

No rating or validation information has been found for pLX_311-KRAB-dCas9.

No alerts have been found for pLX_311-KRAB-dCas9.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Jiang K, et al. (2026) The Histone Modifier KANSL2 Is an Actionable Biomarker in Multiple Myeloma. *Molecular cancer therapeutics*, 25(6), 1016.

Thakur R, et al. (2025) Mapping chromatin interactions at melanoma susceptibility loci uncovers distant cis-regulatory gene targets. *American journal of human genetics*, 112(7), 1625.

Tsui CK, et al. (2024) CRISPR screens and lectin microarrays identify high mannose N-glycan regulators. *Nature communications*, 15(1), 9970.

Jones-Tabah J, et al. (2024) The Parkinson's disease risk gene cathepsin B promotes fibrillar alpha-synuclein clearance, lysosomal function and glucocerebrosidase activity in dopaminergic neurons. *Research square*.

Polanco JC, et al. (2023) CRISPRi screening reveals regulators of tau pathology shared between exosomal and vesicle-free tau. *Life science alliance*, 6(1).

Jones-Tabah J, et al. (2023) The Parkinson's disease risk gene cathepsin B promotes fibrillar alpha-synuclein clearance, lysosomal function and glucocerebrosidase activity in dopaminergic neurons. *bioRxiv : the preprint server for biology*.

Tsui CK, et al. (2023) Combinatorial CRISPR screens and lectin microarrays identify novel glycosylation regulators. *bioRxiv : the preprint server for biology*.

Usluer S, et al. (2023) Optimized whole-genome CRISPR interference screens identify ARID1A-dependent growth regulators in human induced pluripotent stem cells. *Stem cell reports*, 18(5), 1061.

San Roman AK, et al. (2023) The human Y and inactive X chromosomes similarly modulate autosomal gene expression. *bioRxiv : the preprint server for biology*.

Florian AC, et al. (2022) Synergistic action of WDR5 and HDM2 inhibitors in SMARCB1-deficient cancer cells. *NAR cancer*, 4(1), zcac007.

Singh H, et al. (2022) Transcription factor-mediated intestinal metaplasia and the role of a shadow enhancer. *Genes & development*, 36(1-2), 38.

Kneppers J, et al. (2022) Extensive androgen receptor enhancer heterogeneity in primary prostate cancers underlies transcriptional diversity and metastatic potential. *Nature communications*, 13(1), 7367.

Chen L, et al. (2022) Claudin-5 binder enhances focused ultrasound-mediated opening in an in vitro blood-brain barrier model. *Theranostics*, 12(5), 1952.

McQuerry JA, et al. (2022) Massively parallel identification of functionally consequential noncoding genetic variants in undiagnosed rare disease patients. *Scientific reports*, 12(1),

7576.

Malone CF, et al. (2021) Selective Modulation of a Pan-Essential Protein as a Therapeutic Strategy in Cancer. *Cancer discovery*, 11(9), 2282.

Wang E, et al. (2021) Surface antigen-guided CRISPR screens identify regulators of myeloid leukemia differentiation. *Cell stem cell*, 28(4), 718.

Borys SM, et al. (2020) Identification of functional regulatory elements in the human genome using pooled CRISPR screens. *BMC genomics*, 21(1), 107.

Thomsen EA, et al. (2020) Identification of BLNK and BTK as mediators of rituximab-induced programmed cell death by CRISPR screens in GCB-subtype diffuse large B-cell lymphoma. *Molecular oncology*, 14(9), 1978.

Wang LW, et al. (2018) Modulating Gene Expression in Epstein-Barr Virus (EBV)-Positive B Cell Lines with CRISPRa and CRISPRi. *Current protocols in molecular biology*, 121, 31.13.1.

Sanson KR, et al. (2018) Optimized libraries for CRISPR-Cas9 genetic screens with multiple modalities. *Nature communications*, 9(1), 5416.