

Resource Summary Report

Generated by [nidm-terms](#) on Sep 1, 2026

pLV hU6-sgRNA hUbC-dCas9-KRAB-T2a-GFP

RRID:Addgene_71237

Type: Plasmid

Proper Citation

RRID:Addgene_71237

Plasmid Information

URL: <http://www.addgene.org/71237>

Proper Citation: RRID:Addgene_71237

Insert Name: humanized dCas9-KRAB T2A GFP

Organism: S. Pyogenes

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26501517](#)

Vector Backbone Description: Vector Backbone:FUGW; Vector Types:Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: Note: DNA prep concentrations may be low due to the size of this plasmid, so working with low copy protocols, higher starting volumes, or fresh transformants is recommended.

Plasmid Name: pLV hU6-sgRNA hUbC-dCas9-KRAB-T2a-GFP

Relevant Mutation: D10A and H840A

Record Creation Time: 20220422T222439+0000

Record Last Update: 20260829T080941+0000

Ratings and Alerts

No rating or validation information has been found for pLV hU6-sgRNA hUbC-dCas9-KRAB-T2a-GFP.

No alerts have been found for pLV hU6-sgRNA hUbC-dCas9-KRAB-T2a-GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 69 mentions in open access literature.

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

Karlsson O, et al. (2026) Loss of SETDB1-mediated H3K9me3 in human neural progenitor cells leads to transcriptional activation of L1 retrotransposons. Nucleic acids research, 54(4).

Johansson PA, et al. (2026) Large distant deletion disrupts CDKN2A enhancer and predisposes to melanoma. medRxiv : the preprint server for health sciences.

Sainz AG, et al. (2026) The MIRO1-BAX Complex Dictates Life and Death at the Mitochondrial Gate. bioRxiv : the preprint server for biology.

Huo Y, et al. (2026) FOSL1 Orchestrates Epigenetic Reprogramming of Anaplastic Thyroid Cancer and Suppresses NK Cell-Mediated Antitumor Immunity. Cancer research, 86(9), 2184.

Saber SH, et al. (2026) Inhibition of host N-myristoylation compromises the infectivity of SARS-CoV-2 due to Golgi-bypassing egress. Nature communications, 17(1).

Dogiparthi VR, et al. (2026) Predictive modeling of signal-responsive cis-elements in human red blood cell precursors. Nucleic acids research, 54(10).

Adami A, et al. (2026) Protocol for efficient CRISPRi-mediated silencing of retrotransposons in human pluripotent stem cells. STAR protocols, 7(1), 104398.

Hauser RM, et al. (2026) Promoter mutagenesis and a massively parallel reporter screen of the MAPT locus identifies cis-regulatory elements and genetic variation effects. bioRxiv : the preprint server for biology.

Halvorsen AT, et al. (2026) CRISPR inhibition of activity-dependent Arc expression in the adult mouse brain has limited effects on plasticity in visual cortex and nucleus accumbens. bioRxiv : the preprint server for biology.

Kumar M, et al. (2025) AGO2 slicing of a domesticated retrotransposon is necessary for normal vasculature development. bioRxiv : the preprint server for biology.

Abeykoon Y, et al. (2025) Interrogating the Regulatory Function of HAQERs during Human Cortical Development. bioRxiv : the preprint server for biology.

Adami A, et al. (2025) LINE-1 retrotransposons mediate cis-acting transcriptional control in human pluripotent stem cells and regulate early brain development. Cell genomics, 100979.

Jiang T, et al. (2025) A distal enhancer of Ppar α regulates thermogenesis and mitochondrial function in brown fat. PLoS genetics, 21(10), e1011915.

Ding JW, et al. (2025) Dissecting Gene Regulatory Networks Governing Human Cortical Cell Fate. bioRxiv : the preprint server for biology.

Su D, et al. (2025) Identification of a distal enhancer of Ucp1 essential for thermogenesis and mitochondrial function in brown fat. Communications biology, 8(1), 31.

Deng H, et al. (2025) Reshaping tumor immune microenvironment through ROS-responsive prodrug polyplexes via synergistic effect of CRISPRi system and epigenetic inhibitor for breast cancer therapy. Materials today. Bio, 35, 102285.

Gerdes P, et al. (2025) Retroviral insertions contributed to the divergence of human and chimpanzee brains. bioRxiv : the preprint server for biology.

Lewis C, et al. (2025) ZNF865 (BLST) Regulates Human Cell Senescence and DNA Damage. bioRxiv : the preprint server for biology.

Schmerer N, et al. (2025) A searchable atlas of pathogen-sensitive lncRNA networks in human macrophages. Nature communications, 16(1), 4733.

Maeki M, et al. (2024) Development of Polymer-Lipid Hybrid Nanoparticles for Large-Sized Plasmid DNA Transfection. ACS applied materials & interfaces, 16(2), 2110.