

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

pAC94-pmax-dCas9VP160-2A-puro

RRID:Addgene_48226

Type: Plasmid

Proper Citation

RRID:Addgene_48226

Plasmid Information

URL: <http://www.addgene.org/48226>

Proper Citation: RRID:Addgene_48226

Insert Name: dCas9(D10A;H840A) fusion with VP160 activation domain followed by 2A-puro

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:23979020](#)

Vector Backbone Description: Vector Backbone:pmax-DEST (Addgene: 48222); Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Kanamycin

Comments: For more information including protocols and updates, please go to <http://www.crispr-on.org>

Plasmid Name: pAC94-pmax-dCas9VP160-2A-puro

Relevant Mutation: D10A;H840A (catalytically inactive)

Record Creation Time: 20220422T222248+0000

Record Last Update: 20260808T081737+0000

Ratings and Alerts

No rating or validation information has been found for pAC94-pmax-dCas9VP160-2A-puro.

No alerts have been found for pAC94-pmax-dCas9VP160-2A-puro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Marks MP, et al. (2024) Role of hydroxymethylglutharyl-coenzyme A reductase in the induction of stem-like states in breast cancer. *Journal of cancer research and clinical oncology*, 150(2), 106.

Singh AP, et al. (2022) A coordinated function of lncRNA HOTTIP and miRNA-196b underpinning leukemogenesis by targeting FAS signaling. *Oncogene*, 41(5), 718.

Colasante G, et al. (2020) dCas9-Based Scn1a Gene Activation Restores Inhibitory Interneuron Excitability and Attenuates Seizures in Dravet Syndrome Mice. *Molecular therapy : the journal of the American Society of Gene Therapy*, 28(1), 235.

Colasante G, et al. (2020) In vivo CRISPRa decreases seizures and rescues cognitive deficits in a rodent model of epilepsy. *Brain : a journal of neurology*, 143(3), 891.

Coe EA, et al. (2019) The MITF-SOX10 regulated long non-coding RNA DIRC3 is a melanoma tumour suppressor. *PLoS genetics*, 15(12), e1008501.

Luo H, et al. (2019) HOTTIP lncRNA Promotes Hematopoietic Stem Cell Self-Renewal Leading to AML-like Disease in Mice. *Cancer cell*, 36(6), 645.

Pradeepa MM, et al. (2017) Psip1/p52 regulates posterior Hoxa genes through activation of lncRNA Hottip. *PLoS genetics*, 13(4), e1006677.

Petersen J, et al. (2017) Agonist-induced dimer dissociation as a macromolecular step in G protein-coupled receptor signaling. *Nature communications*, 8(1), 226.

Gimenez CA, et al. (2016) CRISPR-on system for the activation of the endogenous human INS gene. *Gene therapy*, 23(6), 543.