

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

lenti SYN-FLAG-dCas9-VPR

RRID:Addgene_114196

Type: Plasmid

Proper Citation

RRID:Addgene_114196

Plasmid Information

URL: <http://www.addgene.org/114196>

Proper Citation: RRID:Addgene_114196

Insert Name: dCas9-VPR

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30863790](#)

Vector Backbone Description: Vector Backbone:lentiCRISPR v2; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: Addgene #63798 into lentivirus backbone and addition of N-term FLAG tag and SYN promoter . Please visit <https://www.biorxiv.org/content/early/2018/07/17/371500> for bioRxiv preprint.

Plasmid Name: lenti SYN-FLAG-dCas9-VPR

Record Creation Time: 20220422T221558+0000

Record Last Update: 20260725T073536+0000

Ratings and Alerts

No rating or validation information has been found for lenti SYN-FLAG-dCas9-VPR.

No alerts have been found for lenti SYN-FLAG-dCas9-VPR.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Loth MK, et al. (2025) Lentiviral CRISPRa/i in the adult prairie vole brain: modulating neuronal gene expression without DNA cleavage. *Frontiers in genome editing*, 7, 1602983.

Zolboot N, et al. (2025) MicroRNA mechanisms instructing Purkinje cell specification. *Neuron*, 113(10), 1629.

Hernandez G, et al. (2025) Amphetamine in Adolescence Induces a Sex-Specific Mesolimbic Dopamine Phenotype in the Adult Prefrontal Cortex. *bioRxiv : the preprint server for biology*.

Reynolds LM, et al. (2023) Amphetamine disrupts dopamine axon growth in adolescence by a sex-specific mechanism in mice. *Nature communications*, 14(1), 4035.

McFadden T, et al. (2023) Controlling hypothalamic DNA methylation at the Pomc promoter does not regulate weight gain during the development of obesity. *PloS one*, 18(4), e0284286.

Walker CK, et al. (2023) Cross-Platform Synaptic Network Analysis of Human Entorhinal Cortex Identifies TWF2 as a Modulator of Dendritic Spine Length. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(20), 3764.

Bach SV, et al. (2023) Distinct roles of Bdnf I and Bdnf IV transcript variant expression in hippocampal neurons. *bioRxiv : the preprint server for biology*.

Carullo NVN, et al. (2021) A Cre-Dependent CRISPR/dCas9 System for Gene Expression Regulation in Neurons. *eNeuro*, 8(4).

Davis SE, et al. (2021) Delivering progranulin to neuronal lysosomes protects against excitotoxicity. *The Journal of biological chemistry*, 297(3), 100993.

Carullo NVN, et al. (2020) Enhancer RNAs predict enhancer-gene regulatory links and are critical for enhancer function in neuronal systems. *Nucleic acids research*, 48(17), 9550.

Duke CG, et al. (2020) An Improved CRISPR/dCas9 Interference Tool for Neuronal Gene Suppression. *Frontiers in genome editing*, 2, 9.

Savell KE, et al. (2019) A Neuron-Optimized CRISPR/dCas9 Activation System for Robust and Specific Gene Regulation. *eNeuro*, 6(1).