

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

dCAS9-VP64_GFP

RRID:Addgene_61422

Type: Plasmid

Proper Citation

RRID:Addgene_61422

Plasmid Information

URL: <http://www.addgene.org/61422>

Proper Citation: RRID:Addgene_61422

Insert Name: dCAS9(D10A,H840A)-VP64_2A_GFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25494202](#)

Vector Backbone Description: Vector Backbone:lenti(AMP); Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: For additional information, protocols and an activator sgRNA design tool, visit our website: <http://sam.genome-engineering.org/>

Plasmid Name: dCAS9-VP64_GFP

Relevant Mutation: D10A and H840A in Cas9

Record Creation Time: 20220422T222352+0000

Record Last Update: 20260815T081742+0000

Ratings and Alerts

No rating or validation information has been found for dCAS9-VP64_GFP.

No alerts have been found for dCAS9-VP64_GFP.

Data and Source Information

Usage and Citation Metrics

We found 80 mentions in open access literature.

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

Fu H, et al. (2026) A smart gene circuit for precise regulation of tumor cell behavior. *Synthetic and systems biotechnology*, 11, 237.

Elliott SD, et al. (2025) A CRISPR activation screen reveals a cilia disassembly pathway mutated in focal cortical dysplasia. *Science advances*, 11(44), eaeb7238.

Franklin JM, et al. (2025) Human Satellite 3 DNA encodes megabase-scale transcription factor binding platforms. *bioRxiv : the preprint server for biology*.

Chen Y, et al. (2025) CDK2 inhibition sensitizes anthracycline-induced immunogenic cell death and enhances the efficacy of anti-PD-1 therapy. *Frontiers in immunology*, 16, 1570040.

Liu WC, et al. (2025) Inhibition of tumor-intrinsic NAT10 enhances antitumor immunity by triggering type I interferon response via MYC/CDK2/DNMT1 pathway. *Nature communications*, 16(1), 5154.

Chopra A, et al. (2025) Genetic analysis of cis-enhancers associated with bone mineral density and periodontitis in the gene SOST. *PloS one*, 20(3), e0319259.

Sood V, et al. (2025) Identification of molecular determinants of gene-specific bursting patterns by high-throughput imaging screens. *Molecular cell*, 85(5), 913.

Wu Y, et al. (2025) Protocol to rapidly verify silent gene reporter in human pluripotent stem cells using CRISPR activation. *STAR protocols*, 6(4), 104164.

Sui M, et al. (2025) Novel drug-inducible CRISPRa/i systems for rapid and reversible manipulation of gene transcription. *Cellular and molecular life sciences : CMLS*, 82(1), 249.

Rath P, et al. (2025) Optimizing approaches for targeted integration of transgenic cassettes by integrase-mediated cassette exchange in mouse and human stem cells. *Stem cells (Dayton, Ohio)*, 43(1).

Wei R, et al. (2025) A long noncoding RNA with enhancer-like function in pig zygotic genome activation. *Journal of molecular cell biology*, 17(1).

Zeng Y, et al. (2025) EP300 compromises antitumor immunity by increasing SOCS1 expression. *Journal for immunotherapy of cancer*, 13(10).

Sood V, et al. (2024) Identification of molecular determinants of gene-specific bursting patterns by high-throughput imaging screens. *bioRxiv : the preprint server for biology*.

Wang J, et al. (2024) Alternative splicing of CARM1 regulated by LincGET-guided paraspeckles biases the first cell fate in mammalian early embryos. *Nature structural & molecular biology*, 31(9), 1341.

Ma Y, et al. (2024) An Integrative Transcriptome Subtraction Strategy to Identify Human lncRNAs That Specifically Play a Role in Activation of Human Hepatic Stellate Cells. *Non-coding RNA*, 10(3).

Hua X, et al. (2024) A Ctnnb1 enhancer transcriptionally regulates Wnt signaling dosage to balance homeostasis and tumorigenesis of intestinal epithelia. *eLife*, 13.

Mukherjee AK, et al. (2024) Telomere length sensitive regulation of interleukin receptor 1 type 1 (IL1R1) by the shelterin protein TRF2 modulates immune signalling in the tumour microenvironment. *eLife*, 13.

Chardon FM, et al. (2024) Multiplex, single-cell CRISPRa screening for cell type specific regulatory elements. *Nature communications*, 15(1), 8209.

Kumaresan PR, et al. (2024) A novel lentiviral vector-based approach to generate chimeric antigen receptor T cells targeting *Aspergillus fumigatus*. *mBio*, 15(4), e0341323.

Bi S, et al. (2024) The sirtuin-associated human senescence program converges on the activation of placenta-specific gene PAPPA. *Developmental cell*.