Resource Summary Report

Generated by RRID on Aug 19, 2026

pAC154-dual-dCas9VP160-sgExpression

RRID:Addgene_48240
Type: Plasmid

Proper Citation

RRID:Addgene_48240

Plasmid Information

URL: http://www.addgene.org/48240

Proper Citation: RRID:Addgene_48240

Insert Name: dCas9

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: PMID:23979020

Vector Backbone Description: Vector Backbone:pX335 (Addgene #42335); Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: Clone sgRNA spacer into BbsI site. Sequence using LKO5' primer: GACTATCATATGCTTACCGT For more information including protocols and updates, please go to http://www.crispr-on.org

Plasmid Name: pAC154-dual-dCas9VP160-sgExpression

Relevant Mutation: D10A H840A

Record Creation Time: 20220422T222248+0000

Record Last Update: 20260815T081548+0000

Ratings and Alerts

No rating or validation information has been found for pAC154-dual-dCas9VP160-sgExpression.

No alerts have been found for pAC154-dual-dCas9VP160-sgExpression.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 24 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Park SB, et al. (2026) Human pluripotent stem cell engineering with CRISPR-Cas9 for Parkinson's disease. Experimental & molecular medicine, 58(4), 993.

Soubeyrand S, et al. (2025) Deciphering the role of the lncRNA TRIBAL in hepatocyte models. PloS one, 20(9), e0322975.

Hinrichs AK, et al. (2024) Dual-Luciferase Reporter Assay for Prescreening CRISPR (d)Cas9-Mediated Epigenetic Editing on a Plant Promoter Using Human Cells. Methods in molecular biology (Clifton, N.J.), 2788, 273.

Weng W, et al. (2024) ETV2 induces endothelial, but not hematopoietic, lineage specification in birds. Life science alliance, 7(6).

Li Z, et al. (2023) Selective binding of retrotransposons by ZFP352 facilitates the timely dissolution of totipotency network. Nature communications, 14(1), 3646.

Ai Z, et al. (2022) Kr??ppel-like factor 5 rewires NANOG regulatory network to activate human naive pluripotency specific LTR7Ys and promote naive pluripotency. Cell reports, 40(8), 111240.

Weng W, et al. (2020) NPAS4L is involved in avian hemangioblast specification. Haematologica, 105(11), 2647.

Johnston AD, et al. (2019) Functional genetic variants can mediate their regulatory effects through alteration of transcription factor binding. Nature communications, 10(1), 3472.

Lau CH, et al. (2019) Targeted Transgene Activation in the Brain Tissue by Systemic Delivery of Engineered AAV1 Expressing CRISPRa. Molecular therapy. Nucleic acids, 16, 637.

Soubeyrand S, et al. (2019) Off-target effects of CRISPRa on interleukin-6 expression. PloS one, 14(10), e0224113.

Alateeq S, et al. (2018) Identification of on-target mutagenesis during correction of a beta-thalassemia splice mutation in iPS cells with optimised CRISPR/Cas9-double nickase reveals potential safety concerns. APL bioengineering, 2(4), 046103.

Yizhar-Barnea O, et al. (2018) DNA methylation dynamics during embryonic development and postnatal maturation of the mouse auditory sensory epithelium. Scientific reports, 8(1), 17348.

Pashos EE, et al. (2017) Large, Diverse Population Cohorts of hiPSCs and Derived Hepatocyte-like Cells Reveal Functional Genetic Variation at Blood Lipid-Associated Loci. Cell stem cell, 20(4), 558.

Lizio M, et al. (2017) Systematic analysis of transcription start sites in avian development. PLoS biology, 15(9), e2002887.

Kim V, et al. (2017) Mutant Cas9-transcriptional activator activates HIV-1 in U1 cells in the presence and absence of LTR-specific guide RNAs. Matters, 2017.

Goyal A, et al. (2017) A cautionary tale of sense-antisense gene pairs: independent regulation despite inverse correlation of expression. Nucleic acids research, 45(21), 12496.

Perrin A, et al. (2017) Increased Expression of Laminin Subunit Alpha 1 Chain by dCas9-VP160. Molecular therapy. Nucleic acids, 6, 68.

Jusiak B, et al. (2016) Engineering Synthetic Gene Circuits in Living Cells with CRISPR Technology. Trends in biotechnology, 34(7), 535.

Amabile A, et al. (2016) Inheritable Silencing of Endogenous Genes by Hit-and-Run Targeted Epigenetic Editing. Cell, 167(1), 219.

Saayman SM, et al. (2016) Potent and Targeted Activation of Latent HIV-1 Using the CRISPR/dCas9 Activator Complex. Molecular therapy : the journal of the American Society of Gene Therapy, 24(3), 488.