

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

[pHRdSV40-NLS-dCas9-24xGCN4_v4-NLS-P2A-BFP-dWPRE](#)

RRID:Addgene_60910

Type: Plasmid

Proper Citation

RRID:Addgene_60910

Plasmid Information

URL: <http://www.addgene.org/60910>

Proper Citation: RRID:Addgene_60910

Insert Name: dCas9

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25307933](#)

Vector Backbone Description: Vector Backbone:pHR; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: For more information, visit <https://valelab4.ucsf.edu/external/research/suntag.html>

Plasmid Name: pHRdSV40-NLS-dCas9-24xGCN4_v4-NLS-P2A-BFP-dWPRE

Record Creation Time: 20220422T222350+0000

Record Last Update: 20260815T081737+0000

Ratings and Alerts

No rating or validation information has been found for pHRdSV40-NLS-dCas9-24xGCN4_v4-NLS-P2A-BFP-dWPRE.

No alerts have been found for pHRdSV40-NLS-dCas9-24xGCN4_v4-NLS-P2A-BFP-dWPRE.

Data and Source Information

Usage and Citation Metrics

We found 29 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.

Feng L, et al. (2026) BRIGHT Enables High-SNR Live-Cell Imaging of Non-Repetitive Sequences via Bivalent Fluorescent Nanobody-Mediated Cascade-Dependent Illumination. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(2), e13014.

Dias M, et al. (2025) Beyond Trypanosoma cruzi: LINE-1 Activation as a Driver of Chronic Inflammation in Chagas Disease. *International journal of molecular sciences*, 26(10).

Pulupa JM, et al. (2024) DNA sequence-induced solid phase transition as a solution to the genome folding paradox. *Research square*.

Peng Q, et al. (2022) Engineering inducible biomolecular assemblies for genome imaging and manipulation in living cells. *Nature communications*, 13(1), 7933.

Castells-Garcia A, et al. (2022) Super resolution microscopy reveals how elongating RNA polymerase II and nascent RNA interact with nucleosome clutches. *Nucleic acids research*, 50(1), 175.

Huang W, et al. (2022) Viscosity-aided electromechanical poration of cells for transfecting molecules. *Lab on a chip*, 22(22), 4276.

Manjón AG, et al. (2022) Unexpected gene activation following CRISPR-Cas9-mediated genome editing. *EMBO reports*, 23(2), e53902.

Chang L, et al. (2022) Nuclear peripheral chromatin-lamin B1 interaction is required for global integrity of chromatin architecture and dynamics in human cells. *Protein & cell*, 13(4), 258.

Chen M, et al. (2022) Live imaging of RNA and RNA splicing in mammalian cells via the dCas13a-SunTag-BiFC system. *Biosensors & bioelectronics*, 204, 114074.

Frank L, et al. (2021) Transcriptional Activation of Heterochromatin by Recruitment of dCas9 Activators. *Methods in molecular biology* (Clifton, N.J.), 2351, 307.

Zhang X, et al. (2021) MiniCAFE, a CRISPR/Cas9-based compact and potent transcriptional activator, elicits gene expression in vivo. *Nucleic acids research*, 49(7), 4171.

Chaudhary N, et al. (2020) Background-suppressed live visualization of genomic loci with an improved CRISPR system based on a split fluorophore. *Genome research*, 30(9),

1306.

See K, et al. (2020) Histone methyltransferase activity programs nuclear peripheral genome positioning. *Developmental biology*, 466(1-2), 90.

Hofacker D, et al. (2020) Engineering of Effector Domains for Targeted DNA Methylation with Reduced Off-Target Effects. *International journal of molecular sciences*, 21(2).

Chen J, et al. (2020) Visualizing the translation and packaging of HIV-1 full-length RNA. *Proceedings of the National Academy of Sciences of the United States of America*, 117(11), 6145.

Sun NH, et al. (2020) CRISPR-Sunspot: Imaging of endogenous low-abundance RNA at the single-molecule level in live cells. *Theranostics*, 10(24), 10993.

He S, et al. (2019) NATF (Native and Tissue-Specific Fluorescence): A Strategy for Bright, Tissue-Specific GFP Labeling of Native Proteins in *Caenorhabditis elegans*. *Genetics*, 212(2), 387.

Balestrieri C, et al. (2018) Co-optation of Tandem DNA Repeats for the Maintenance of Mesenchymal Identity. *Cell*, 173(5), 1150.

Shin Y, et al. (2018) Liquid Nuclear Condensates Mechanically Sense and Restructure the Genome. *Cell*, 175(6), 1481.