

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 4, 2026

dCas9 plasmid

RRID:Addgene_100091

Type: Plasmid

Proper Citation

RRID:Addgene_100091

Plasmid Information

URL: <http://www.addgene.org/100091>

Proper Citation: RRID:Addgene_100091

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28973434](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Vector Backbone:pcDNA3.3-TOPO; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: dCas9 plasmid

Record Creation Time: 20220422T221446+0000

Record Last Update: 20260902T040917+0000

Ratings and Alerts

No rating or validation information has been found for dCas9 plasmid.

No alerts have been found for dCas9 plasmid.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Zhang D, et al. (2025) FTO inhibition attenuates renal fibrosis by downregulating ferroptosis activator ACSL4 and profibrotic factor TGFBI. *iScience*, 28(10), 113515.

Xu Z, et al. (2025) SIX1 aggravates the progression of spinal cord injury in mice by promoting M1 polarization of microglia. *Scientific reports*, 15(1), 1283.

Amistadi S, et al. (2025) Dissecting the epigenetic regulation of the fetal hemoglobin genes to unravel a novel therapeutic approach for α -hemoglobinopathies. *Nucleic acids research*, 53(13).

Ferreira da Silva J, et al. (2022) Prime editing efficiency and fidelity are enhanced in the absence of mismatch repair. *Nature communications*, 13(1), 760.

Umeh-Garcia M, et al. (2022) Aberrant promoter methylation contributes to LRIG1 silencing in basal/triple-negative breast cancer. *British journal of cancer*, 127(3), 436.

Campenhout CV, et al. (2019) Guidelines for optimized gene knockout using CRISPR/Cas9. *BioTechniques*, 66(6), 295.

O'Geen H, et al. (2019) Ezh2-dCas9 and KRAB-dCas9 enable engineering of epigenetic memory in a context-dependent manner. *Epigenetics & chromatin*, 12(1), 26.