

# Resource Summary Report

Generated by [NIF](#) on Sep 14, 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:** 20260912T091334+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 [NIF](#) .

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

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

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.

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.