

# Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

## pHSN6I01

RRID:Addgene\_50587

Type: Plasmid

---

### Proper Citation

RRID:Addgene\_50587

---

### Plasmid Information

**URL:** <http://www.addgene.org/50587>

**Proper Citation:** RRID:Addgene\_50587

**Insert Name:** dCas9-KRAB

**Organism:** Synthetic

**Bacterial Resistance:** Kanamycin and Spectinomycin

**Defining Citation:** [PMID:25432517](#)

**Vector Backbone Description:** Backbone Marker:Mullineaux Lab, see <http://www.pgreen.ac.uk/>; Vector Backbone:pGreen-like binary vector; Vector Types:CRISPR, Plant expression; Bacterial Resistance:Kanamycin and Spectinomycin

**Plasmid Name:** pHSN6I01

**Relevant Mutation:** dCas9 that is defective in DNA cleavage; the maize codon–optimized dCas9-KRAB (Krüppel-associated box) vector was constructed for targeted knockdown of genes of interest.

**Record Creation Time:** 20220422T222259+0000

**Record Last Update:** 20260815T081607+0000

---

### Ratings and Alerts

No rating or validation information has been found for pHSN6I01.

No alerts have been found for pHSN6I01.

---

### Data and Source Information

Source: [Addgene](#)

---

## Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Yapa MM, et al. (2023) MORF2-mediated plastidial retrograde signaling is involved in stress response and skotomorphogenesis beyond RNA editing. *Frontiers in plant science*, 14, 1146922.

Kao PH, et al. (2017) CRISPRi mediated phosphoenolpyruvate carboxylase regulation to enhance the production of lipid in *Chlamydomonas reinhardtii*. *Bioresource technology*, 245(Pt B), 1527.