

Resource Summary Report

Generated by [dkNET](#) on Aug 25, 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 [dkNET](#) .

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.