

# Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

## Cas9 MDC123

RRID:Addgene\_59184

Type: Plasmid

### Proper Citation

RRID:Addgene\_59184

### Plasmid Information

**URL:** <http://www.addgene.org/59184>

**Proper Citation:** RRID:Addgene\_59184

**Insert Name:** Glycine Max codon optimized Cas9

**Organism:** Glycine Max

**Bacterial Resistance:** Kanamycin

**Defining Citation:** [PMID:26479970](#)

**Vector Backbone Description:** Backbone Marker:Douglas Baker UC Davis; Backbone Size:10213; Vector Backbone:pMDC123; Vector Types:Plant Expression, CRISPR; Bacterial Resistance:Kanamycin

**Plasmid Name:** Cas9 MDC123

**Record Creation Time:** 20220422T222341+0000

**Record Last Update:** 20260815T081721+0000

### Ratings and Alerts

No rating or validation information has been found for Cas9 MDC123.

No alerts have been found for Cas9 MDC123.

### Data and Source Information

**Source:** [Addgene](#)

### Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Pandey A, et al. (2021) Citric acid/??-alanine carbon dots as a novel tool for delivery of plasmid DNA into E. coli cells. Scientific reports, 11(1), 23964.

Permyakova NV, et al. (2021) Assessment of the Level of Accumulation of the dIFN Protein Integrated by the Knock-In Method into the Region of the Histone H3.3 Gene of Arabidopsis thaliana. Cells, 10(8).

Michno JM, et al. (2020) Integration, abundance, and transmission of mutations and transgenes in a series of CRISPR/Cas9 soybean lines. BMC biotechnology, 20(1), 10.

Wang S, et al. (2019) The Soybean Sugar Transporter GmSWEET15 Mediates Sucrose Export from Endosperm to Early Embryo. Plant physiology, 180(4), 2133.

Nakajima O, et al. (2016) Cas9 in Genetically Modified Food Is Unlikely to Cause Food Allergy. Biological & pharmaceutical bulletin, 39(11), 1876.

Michno JM, et al. (2015) CRISPR/Cas mutagenesis of soybean and Medicago truncatula using a new web-tool and a modified Cas9 enzyme. GM crops & food, 6(4), 243.