

Resource Summary Report

Generated by [RRID](#) 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 [RRID](#) .

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.