

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 2, 2026

pYLCRISPR/Cas9P35S-B

RRID:Addgene_66190

Type: Plasmid

Proper Citation

RRID:Addgene_66190

Plasmid Information

URL: <http://www.addgene.org/66190>

Proper Citation: RRID:Addgene_66190

Insert Name: Cas9

Organism: S. pyogenes

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:25917172](#)

Vector Backbone Description: Backbone Marker:CAMBIA ; Vector Backbone:pCAMBIA1300 ; Vector Types:Plant Expression; Bacterial Resistance:Kanamycin

Comments: Accession # KR029113 A fragment containing a modified ccdB flanked by two BsaI sites was cloned into the vectors to produce the CRISPR/Cas9 binary vectors. This can be used for inserting sgRNA cassette. Please see our published protocol for using these plasmids. Ma, X. and Liu, Y.-G. 2016. CRISPR/Cas9-based multiplex genome editing in monocot and dicot plants. Curr. Protoc. Mol. Biol. 115:31.6.1-31.6.21. <http://onlinelibrary.wiley.com/doi/10.1002/cpmb.10/abstract> doi: 10.1002/cpmb.10

Plasmid Name: pYLCRISPR/Cas9P35S-B

Relevant Mutation: plant-codon optimized with higher GC contents (62.5%) in the 5' region (400 bp) and 54.2% overall GC content

Record Creation Time: 20220422T222416+0000

Record Last Update: 20260902T045940+0000

Ratings and Alerts

No rating or validation information has been found for pYLCRISPR/Cas9P35S-B.

No alerts have been found for pYLCRISPR/Cas9P35S-B.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Gao Y, et al. (2024) BLADE-ON-PETIOLE interacts with CYCLOIDEA to fine-tune CYCLOIDEA-mediated flower symmetry in monkeyflowers (*Mimulus*). *Science advances*, 10(33), eado4571.

Domont J, et al. (2023) CRISPR/Cas9-Targeted Mutagenesis of CiGAS and CiGAO to Reduce Bitterness in Chicory (*Cichorium intybus* L.). *Frontiers in bioscience (Landmark edition)*, 28(9), 201.

Bernard G, et al. (2019) Efficient Genome Editing Using CRISPR/Cas9 Technology in Chicory. *International journal of molecular sciences*, 20(5).

Ma X, et al. (2016) CRISPR/Cas9-Based Multiplex Genome Editing in Monocot and Dicot Plants. *Current protocols in molecular biology*, 115, 31.6.1.