

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 5, 2026

pYLCRISPR/Cas9P35S-N

RRID:Addgene_66191

Type: Plasmid

Proper Citation

RRID:Addgene_66191

Plasmid Information

URL: <http://www.addgene.org/66191>

Proper Citation: RRID:Addgene_66191

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 # KR029112 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-N

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: 20260905T075946+0000

Ratings and Alerts

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

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

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 [PRECISE-TBI](#) .

Sun M, et al. (2025) StOSD1/UVI4 is crucial for accurate mitotic progression and the maintenance of leaf morphology in potato. BMC plant biology, 25(1), 1284.

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.