

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 6, 2026

pYLCRISPR/Cas9Pubi-B

RRID:Addgene_66188

Type: Plasmid

Proper Citation

RRID:Addgene_66188

Plasmid Information

URL: <http://www.addgene.org/66188>

Proper Citation: RRID:Addgene_66188

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 # KR029110. A fragment containing a modified ccdB flanked by two BsaI sites was cloned into the vector to produce the CRISPR/Cas9 binary vector. 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/Cas9Pubi-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: 20260905T075946+0000

Ratings and Alerts

No rating or validation information has been found for pYLCRISPR/Cas9Pubi-B.

No alerts have been found for pYLCRISPR/Cas9Pubi-B.

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](#) .

Banday ZZ, et al. (2022) Friend or foe: Hybrid proline-rich proteins determine how plants respond to beneficial and pathogenic microbes. Plant physiology, 190(1), 860.

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.