Resource Summary Report

Generated by NIF on Sep 18, 2026

pYLCRISPR/Cas9pUbi-N

RRID:Addgene_106331
Type: Plasmid

Proper Citation

RRID:Addgene_106331

Plasmid Information

URL: http://www.addgene.org/106331

Proper Citation: RRID:Addgene_106331

Insert Name: Cas9

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: PMID:25917172

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

Comments: Please note that an IS5 transposase insertion sequence was found during Addgene's quality control process. The depositing lab noted that the presence of IS5 should not affect plasmid function.

Plasmid Name: pYLCRISPR/Cas9pUbi-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: 20220422T221516+0000

Record Last Update: 20260912T091424+0000

Ratings and Alerts

No rating or validation information has been found for pYLCRISPR/Cas9pUbi-N.

No alerts have been found for pYLCRISPR/Cas9pUbi-N.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Cao HX, et al. (2022) From Genome Sequencing to CRISPR-Based Genome Editing for Climate-Resilient Forest Trees. International journal of molecular sciences, 23(2).