

Resource Summary Report

Generated by [nidm-terms](#) on Aug 14, 2026

pYLsgRNA-AtU3b/LacZ

RRID:Addgene_66199

Type: Plasmid

Proper Citation

RRID:Addgene_66199

Plasmid Information

URL: <http://www.addgene.org/66199>

Proper Citation: RRID:Addgene_66199

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25917172](#)

Vector Backbone Description: Vector Backbone:based on pUC18; Vector Types:Cloning Vector; Bacterial Resistance:Ampicillin

Comments: accession number KR029098. By Omega-PCR cloning, an E. coli promoter-LacZ sequence (198 bp in length) was inserted. The LacZ marker gene can be used to facilitate selection of Escherichia coli positive CRISPR/Cas9 clones carrying the sgRNA expression cassettes. 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: pYLsgRNA-AtU3b/LacZ

Record Creation Time: 20220422T222416+0000

Record Last Update: 20260808T082011+0000

Ratings and Alerts

No rating or validation information has been found for pYLsgRNA-AtU3b/LacZ.

No alerts have been found for pYLsgRNA-AtU3b/LacZ.

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 [nidm-terms](#) .

Pang H, et al. (2019) Knockout of the S-acyltransferase Gene, PbPAT14, Confers the Dwarf Yellowing Phenotype in First Generation Pear by ABA Accumulation. International journal of molecular sciences, 20(24).

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.