

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

pYLsgRNA-AtU3d/LacZ

RRID:Addgene_66201

Type: Plasmid

Proper Citation

RRID:Addgene_66201

Plasmid Information

URL: <http://www.addgene.org/66201>

Proper Citation: RRID:Addgene_66201

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 KR029100 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-AtU3d/LacZ

Record Creation Time: 20220422T222416+0000

Record Last Update: 20260815T081826+0000

Ratings and Alerts

No rating or validation information has been found for pYLsgRNA-AtU3d/LacZ.

No alerts have been found for pYLsgRNA-AtU3d/LacZ.

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 [RRID](#) .

Sandgrind S, et al. (2023) Improved fatty acid composition of field cress (*Lepidium campestre*) by CRISPR/Cas9-mediated genome editing. *Frontiers in plant science*, 14, 1076704.

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.

Li X, et al. (2021) Efficient Protoplast Regeneration Protocol and CRISPR/Cas9-Mediated Editing of Glucosinolate Transporter (GTR) Genes in Rapeseed (*Brassica napus* L.). *Frontiers in plant science*, 12, 680859.

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.