

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

[pJET1.2-U3](#)

RRID:Addgene_173156

Type: Plasmid

Proper Citation

RRID:Addgene_173156

Plasmid Information

URL: <http://www.addgene.org/173156>

Proper Citation: RRID:Addgene_173156

Insert Name: sgRNA cassette under U3 promoter

Organism: Arabidopsis thaliana

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:35022409](#)

Vector Backbone Description: Backbone Marker:Thermo Scientific; Backbone Size:2974; Vector Backbone:pJet1.2; Vector Types:Plant Expression; Bacterial Resistance:Ampicillin

Comments: This vector was designed and constructed by Dr. Tomasz Bieluszewski. Detailed protocol for CRISPR/Cas9-based mutagenesis using this system in: Bieluszewski T, Szymanska-Lejman M, Dziegielewska W, Zhu L, Ziolkowski PA. Efficient Generation of CRISPR/Cas9-Based Mutants Supported by Fluorescent Seed Selection in Different Arabidopsis Accessions, in: Plant Gametogenesis: Methods and Protocols (ed. Christophe Lambing), Methods in Molecular Biology, vol. 2484. https://doi.org/10.1007/978-1-0716-2253-7_13 <https://pubmed.ncbi.nlm.nih.gov/35461452/>

Plasmid Name: pJET1.2-U3

Record Creation Time: 20220605T080230+0000

Record Last Update: 20260815T082304+0000

Ratings and Alerts

No rating or validation information has been found for pJET1.2-U3.

No alerts have been found for pJET1.2-U3.

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 [RRID](#) .

Bieluszewski T, et al. (2022) Efficient Generation of CRISPR/Cas9-Based Mutants Supported by Fluorescent Seed Selection in Different Arabidopsis Accessions. Methods in molecular biology (Clifton, N.J.), 2484, 161.