

Resource Summary Report

Generated by [dkNET](#) on Jul 30, 2026

pKL2299

RRID:Addgene_186332

Type: Plasmid

Proper Citation

RRID:Addgene_186332

Plasmid Information

URL: <http://www.addgene.org/186332>

Proper Citation: RRID:Addgene_186332

Insert Name: virulence genes from Agrobacterium tumefaciens pTiBo542

Organism: Agrobacterium tumefaciens

Bacterial Resistance: Gentamicin

Defining Citation: [PMID:35599865](#)

Vector Backbone Description: Backbone Marker:Brian Pflieger; Backbone Size:3660; Vector Backbone:pRK2-AraE; Vector Types:Bacterial Expression; Bacterial Resistance:Gentamicin

Comments: The vir genes were from pVS1-VIR2 (Plasmid #134745). Zhang Q, Zhang Y, Lu MH, Chai YP, Jiang YY, Zhou Y, Wang XC, Chen QJ. A Novel Ternary Vector System United with Morphogenic Genes Enhances CRISPR/Cas Delivery in Maize. Plant Physiol. 2019 Dec;181(4):1441-1448. doi: 10.1104/pp.19.00767.

Plasmid Name: pKL2299

Record Creation Time: 20221013T080241+0000

Record Last Update: 20260725T075523+0000

Ratings and Alerts

No rating or validation information has been found for pKL2299.

No alerts have been found for pKL2299.

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 [dkNET](#) .

Kang M, et al. (2023) Enhancing Maize Transformation and Targeted Mutagenesis through the Assistance of Non-Integrating Wus2 Vector. Plants (Basel, Switzerland), 12(15).

Lee K, et al. (2023) New T-DNA binary vectors with NptII selection and RUBY reporter for efficient maize transformation and targeted mutagenesis. Plant physiology, 192(4), 2598.