

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

pDIRECT_10E

RRID:Addgene_91209

Type: Plasmid

Proper Citation

RRID:Addgene_91209

Plasmid Information

URL: <http://www.addgene.org/91209>

Proper Citation: RRID:Addgene_91209

Insert Name: 35S:AtCas9 + CmYLCV:gRNAs with tRNA spacers

Organism: Synthetic

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:28522548](#)

Vector Backbone Description: Vector Backbone:pTRANS_100; Vector Types:Plant Expression, CRISPR; Bacterial Resistance:Spectinomycin

Plasmid Name: pDIRECT_10E

Record Creation Time: 20220422T222617+0000

Record Last Update: 20260829T081253+0000

Ratings and Alerts

No rating or validation information has been found for pDIRECT_10E.

No alerts have been found for pDIRECT_10E.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.