

Resource Summary Report

Generated by [dkNET](#) on Aug 25, 2026

PV503

RRID:Addgene_132342

Type: Plasmid

Proper Citation

RRID:Addgene_132342

Plasmid Information

URL: <http://www.addgene.org/132342>

Proper Citation: RRID:Addgene_132342

Insert Name: CasE-AT-CBF1

Organism: Arabidopsis thaliana

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:31646186](#)

Vector Backbone Description: Vector Backbone:PHP17720; Vector Types:Plant Expression; Bacterial Resistance:Kanamycin

Comments: There is a D52G mismatch in CasE that does not impact the function of the plasmid.

Plasmid Name: PV503

Relevant Mutation: Codon optimize for expression and stability in Zea mays

Record Creation Time: 20220422T221734+0000

Record Last Update: 20260815T080527+0000

Ratings and Alerts

No rating or validation information has been found for PV503.

No alerts have been found for PV503.

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](#) .

Cao HX, et al. (2022) From Genome Sequencing to CRISPR-Based Genome Editing for Climate-Resilient Forest Trees. International journal of molecular sciences, 23(2).

Young JK, et al. (2019) The repurposing of type I-E CRISPR-Cascade for gene activation in plants. Communications biology, 2, 383.