

Resource Summary Report

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

pAC-VIOL

RRID:Addgene_53087

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/53087>

Proper Citation: RRID:Addgene_53087

Insert Name: zep

Organism: Arabidopsis thaliana

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:24506237](#)

Vector Backbone Description: Backbone Marker:Francis X. Cunningham, Jr.; Backbone Size:10040; Vector Backbone:pAC-ZEAXipi; Vector Types:low copy number bacterial cloning vector; Bacterial Resistance:Chloramphenicol

Comments: For better yield of low copy number pAC-based plasmids, grow liquid cultures on a platform shaker at ca. 30 degrees Celsius. When cultures reach early stationary phase, dilute 2-fold with growth medium, add spectinomycin (150 mg/liter), and "amplify" for several hours before harvest. For plasmid selection and maintenance in E. coli, use chloramphenicol at 30 mg/liter.

Plasmid Name: pAC-VIOL

Relevant Mutation: Lacks codons for the first 60 N-terminal amino acids that are thought to comprise the chloroplast transit sequence

Record Creation Time: 20220422T222311+0000

Record Last Update: 20260829T080654+0000

Ratings and Alerts

No rating or validation information has been found for pAC-VIOL.

No alerts have been found for pAC-VIOL.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.