Resource Summary Report

Generated by dkNET on Aug 17, 2026

pAC-ZETAipi

RRID:Addgene_53284
Type: Plasmid

Proper Citation

RRID:Addgene_53284

Plasmid Information

URL: http://www.addgene.org/53284

Proper Citation: RRID:Addgene_53284

Insert Name: pds

Organism: Synechococcus PCC7942

Bacterial Resistance: Chloramphenicol

Defining Citation: PMID:17634749

Vector Backbone Description: Backbone Marker:Francis X. Cunningham, Jr.; Backbone Size:13581; Vector Backbone:pAC-EHER; 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-ZETAipi

Record Creation Time: 20220422T222312+0000

Record Last Update: 20260815T081629+0000

Ratings and Alerts

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

No alerts have been found for pAC-ZETAipi.

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 dkNET .

Proctor MS, et al. (2022) Zeta-Carotene Isomerase (Z-ISO) Is Required for Light-Independent Carotenoid Biosynthesis in the Cyanobacterium Synechocystis sp. PCC 6803. Microorganisms, 10(9).