

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

pAM1579

RRID:Addgene_40240

Type: Plasmid

Proper Citation

RRID:Addgene_40240

Plasmid Information

URL: <http://www.addgene.org/40240>

Proper Citation: RRID:Addgene_40240

Insert Name: Km Resistance, neutral site II integration platform for *Synechococcus*

Organism: *Synechococcus elongatus* PCC 7942

Bacterial Resistance: Ampicillin and Kanamycin

Defining Citation: [PMID:10812624](#)

Vector Backbone Description: Vector Backbone:1572; Vector Types:Cyanobacteria cloning vector; Bacterial Resistance:Ampicillin and Kanamycin

Comments: NSII vector cloning sites: *NheI*, *XbaI*, *StuI*, *Sall*, and *EcoRV*. Km cassette into Klenow blunted *BglIII* site of pAM1572. *XhoI* digest gives 0.7kb band. NSII vector; unique cloning sites *NheI*, *XbaI*, *StuI*, *Sall*, *EcoRV*.

Plasmid Name: pAM1579

Record Creation Time: 20220422T222209+0000

Record Last Update: 20260815T081434+0000

Ratings and Alerts

No rating or validation information has been found for pAM1579.

No alerts have been found for pAM1579.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Lin TY, et al. (2020) Biotransformation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid by a Syntrophic Consortium of Engineered *Synechococcus elongatus* and *Pseudomonas putida*. *Biotechnology journal*, 15(6), e1900357.

Smith MJ, et al. (2018) Methods for Generating Microbial Cocultures that Grow in the Absence of Fixed Carbon or Nitrogen. *Methods in molecular biology* (Clifton, N.J.), 1772, 45.

Abramson BW, et al. (2016) Increased Photochemical Efficiency in Cyanobacteria via an Engineered Sucrose Sink. *Plant & cell physiology*, 57(12), 2451.