

Resource Summary Report

Generated by [RRID](#) on Aug 30, 2026

pAM1303

RRID:Addgene_40243

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/40243>

Proper Citation: RRID:Addgene_40243

Insert Name: Sp/Sm Resistance, neutral site I integration platform for Synechococcus

Organism: Synechococcus elongatus PCC 7942

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:9218763](#)

Vector Backbone Description: Vector Backbone:pAM1290; Vector Types:Cyanobacteria cloning vector; Bacterial Resistance:Spectinomycin

Comments: NS1 vector Cloning sites: NotI, BamHI and SmaI. insert: GATCGGCGGCCGCG CCGCCGGCGCCTAG NotI can be used as a primer site. Transforms and conjugates as well as pAM1175. Put in BamHI site of pAM1290 ; keeps a unique BamHI site on right.

Plasmid Name: pAM1303

Record Creation Time: 20220422T222209+0000

Record Last Update: 20260829T080504+0000

Ratings and Alerts

No rating or validation information has been found for pAM1303.

No alerts have been found for pAM1303.

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](#) .

Starikov AY, et al. (2024) The Specificities of Lysophosphatidic Acid Acyltransferase and Fatty Acid Desaturase Determine the High Content of Myristic and Myristoleic Acids in Cyanobacterium sp. IPPAS B-1200. International journal of molecular sciences, 25(2).

Starikov AY, et al. (2020) Delta or Omega? ?12 (?6) fatty acid desaturases count 3C after the pre-existing double bond. Biochimie, 179, 46.

Knoot CJ, et al. (2019) Diverse hydrocarbon biosynthetic enzymes can substitute for olefin synthase in the cyanobacterium Synechococcus sp. PCC 7002. Scientific reports, 9(1), 1360.