

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 3, 2026

[p0521s](#)

RRID:Addgene_62862

Type: Plasmid

Proper Citation

RRID:Addgene_62862

Plasmid Information

URL: <http://www.addgene.org/62862>

Proper Citation: RRID:Addgene_62862

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:25897682](#)

Vector Backbone Description: Vector Backbone:pCC1BAC; Vector Types:Synthetic Biology, Episomal vector for Phaeodactylum tricornutum; Bacterial Resistance:Chloramphenicol

Comments: Contains yeast URA3 and HIS3 genes for selection in yeast. Contains ShBle cassette for selection in Phaeodactylum tricornutum. Depositor states that the I-SceI restriction site in this plasmid (5'-AGTTACGCTAGGGATAACAGGTAATATAG) varies from the NEB listed recognition sequence and may reduce the efficiency of cleavage using this enzyme.

Plasmid Name: p0521s

Record Creation Time: 20220422T222359+0000

Record Last Update: 20260902T045855+0000

Ratings and Alerts

No rating or validation information has been found for p0521s.

No alerts have been found for p0521s.

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 [PRECISE-TBI](#) .

Sene N, et al. (2025) Impact of heterologous expression of Cannabis sativa tetraketide synthase on Phaeodactylum tricornutum metabolic profile. Biotechnology for biofuels and bioproducts, 18(1), 42.

Gao S, et al. (2024) Cryptochrome PtCPF1 regulates high temperature acclimation of marine diatoms through coordination of iron and phosphorus uptake. The ISME journal, 18(1).