

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

[pTE1062](#)

RRID:Addgene_172356

Type: Plasmid

Proper Citation

RRID:Addgene_172356

Plasmid Information

URL: <http://www.addgene.org/172356>

Proper Citation: RRID:Addgene_172356

Insert Name: scbR

Bacterial Resistance: Hygromycin

Defining Citation: [PMID:29130169](#)

Vector Backbone Description: Backbone Size:5715; Vector Backbone:pSET152; Vector Types:Bacterial Expression, Synthetic Biology, Integrative into Streptomyces genome via serine integrase (like parent pSET152); Bacterial Resistance:Hygromycin

Comments: Biarnes-Carrera, Marc, Chang Kwon Lee, Takuya Nihira, Rainer Breitling, and Eriko Takano. 'Orthogonal Regulatory Circuits for Escherichia Coli Based on the γ -Butyrolactone System of Streptomyces Coelicolor'. ACS Synthetic Biology 7, no. 4 (2018): 1043–55. <https://doi.org/10.1021/acssynbio.7b00425>. pTE1062 is replicative in E. coli via pMB1 type origin, and carrying oriT (RP4) for delivery to Streptomyces by conjugation. In Streptomyces, pTE1062 is not replicative, and therefore selection is on integration into the genome mediated by phiC31 integrase.

Plasmid Name: pTE1062

Record Creation Time: 20220422T222000+0000

Record Last Update: 20260725T074250+0000

Ratings and Alerts

No rating or validation information has been found for pTE1062.

No alerts have been found for pTE1062.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.