

Resource Summary Report

Generated by [dkNET](#) on Aug 20, 2026

pT2SCb

RRID:Addgene_59385

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/59385>

Proper Citation: RRID:Addgene_59385

Insert Name: TT-ISceI-cat2

Organism: Synthetic

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:25255806](#)

Vector Backbone Description: Backbone Marker:Copley Lab; Backbone Size:1887; Vector Backbone:pHA1887, an 1887 bp fragment extending from bp 690 to bp 2576 of pUC19 (Acc. No. M77789); Vector Types:template; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: iGEM parts BBa_B1002 and BBa_B1006 were used to build the double terminator element. The chloramphenicol resistance gene was taken from pACYC187. The 3'-end was modified from 5'-GGGCGGGGCGTAA to 5'-AGGAGGTGCATAA in order to provide a site resembling the consensus bacterial ribosomal binding site (5'-AGGAGGTAAATAA). We developed GetX (<https://sourceforge.net/projects/getx/>), a stand-alone python script that allows the user to design mutation cassettes for scarless genome editing in bacteria using our previously described two-step recombination method. Please see the document linked under the Resource Information heading above for additional information on installing and using the script.

Plasmid Name: pT2SCb

Relevant Mutation: The 3'-end of the chloramphenicol resistance gene was modified to 5'-AGGAGGTGCATAA to create a sequence resembling the consensus bacterial ribosomal binding site (5'-AGGAGGTAAATAA).

Record Creation Time: 20220422T222342+0000

Record Last Update: 20260815T081723+0000

Ratings and Alerts

No rating or validation information has been found for pT2SCb.

No alerts have been found for pT2SCb.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.