

# Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

## pCURE

RRID:Addgene\_23013

Type: Plasmid

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### Proper Citation

RRID:Addgene\_23013

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### Plasmid Information

**URL:** <http://www.addgene.org/23013>

**Proper Citation:** RRID:Addgene\_23013

**Insert Name:** I-CreI homing endonuclease

**Organism:** Chlamydomonas reinhardtii

**Bacterial Resistance:** Tetracycline

**Defining Citation:** [PMID:19165721](#)

**Vector Backbone Description:** Backbone Marker:N/A; Backbone Size:8900; Vector Backbone:pSC101ts; Vector Types:Bacterial Expression; Bacterial Resistance:Tetracycline

**Comments:** Seligman, LM et al., 1997, Genetics, 147: 1653-1664 The plasmid can be propagated in 0.2% glucose to keep expression levels low and to guard against mutations. Addgene's quality control sequence shows several sequence discrepancies with the available NCBI reference sequence for AraC and ICrel. Depositor tested this plasmid and found the plasmid can be used to cure cells of other plasmids that contain an I-Crel cut site, and the pCURE can be removed from cells via its temperature sensitive origin of replication. Hence, these mutations are not detrimental to the plasmid's function.

**Plasmid Name:** pCURE

**Relevant Mutation:** I-Crel expression is controlled by the arabinose promoter.

**Record Creation Time:** 20220422T222102+0000

**Record Last Update:** 20260815T081217+0000

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### Ratings and Alerts

No rating or validation information has been found for pCURE.

No alerts have been found for pCURE.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.