

# Resource Summary Report

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

## pFA6a-TRP1-pCUP1-2xphlO

RRID:Addgene\_191794

Type: Plasmid

### Proper Citation

RRID:Addgene\_191794

### Plasmid Information

**URL:** <http://www.addgene.org/191794>

**Proper Citation:** RRID:Addgene\_191794

**Insert Name:** TRP1 pCUP1 with 2 phlO sites

**Organism:** *Saccharomyces cerevisiae*

**Bacterial Resistance:** Ampicillin

**Vector Backbone Description:** Vector Backbone:pFA6a; Vector Types:Yeast genomic targeting; Bacterial Resistance:Ampicillin

**Comments:** pFA6a-TRP1-pCUP1-2xphlO includes phlO operator sites inserted in the CUP1 promotor to allow binding and transcriptional repression by the phlF repressor protein. This repression is relieved by addition of 2,4-Diacetylphloroglucinol (DAPG) to the medium. The system is modeled after one described in the following manuscript by Ikushima and Boeke of Johns Hopkins University. New Orthogonal Transcriptional Switches Derived from Tet Repressor Homologues for *Saccharomyces cerevisiae* Regulated by 2,4-Diacetylphloroglucinol and Other Ligands Shigehito Ikushima and Jef D. Boeke ACS Synthetic Biology 2017 6 (3), 497-506 DOI: 10.1021/acssynbio.6b00205

**Plasmid Name:** pFA6a-TRP1-pCUP1-2xphlO

**Record Creation Time:** 20221123T080259+0000

**Record Last Update:** 20260815T082421+0000

### Ratings and Alerts

No rating or validation information has been found for pFA6a-TRP1-pCUP1-2xphlO.

No alerts have been found for pFA6a-TRP1-pCUP1-2xphlO.

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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.