

Resource Summary Report

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

pCT-tRNA

RRID:Addgene_133813

Type: Plasmid

Proper Citation

RRID:Addgene_133813

Plasmid Information

URL: <http://www.addgene.org/133813>

Proper Citation: RRID:Addgene_133813

Insert Name: cassette for the expression of the sgRNA from the *Ashbya gossypii* RNA pol II TEF1 promoter

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30867327](#)

Vector Backbone Description: Vector Backbone:pAYCU268; Vector Types:CRISPR; Bacterial Resistance:Ampicillin

Comments: The plasmid contains the following relevant inserts: 1. *C. albicans* Autonomously Replicating Sequence 2 for episomal propagation in *C. tropicalis*; 2. CAS9 sequence expressed from a *Meyerozyma guilliermondii* promoter; 3. Cassette for the expression of the sgRNA from a *Ashbya gossypii* RNA pol II promoter. The mature sgRNA is released following RNase Z processing of the upstream tRNA and self-cleavage of the downstream HDV Ribozyme. The guide targeting the gene of interest can be cloned into the SapI/BspQI digested plasmid. The regulatory elements (species of origin of promoters/terminators) are described in the map.

Plasmid Name: pCT-tRNA

Record Creation Time: 20220422T221740+0000

Record Last Update: 20260725T073839+0000

Ratings and Alerts

No rating or validation information has been found for pCT-tRNA.

No alerts have been found for pCT-tRNA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Pham NN, et al. (2023) Rational genome and metabolic engineering of *Candida viswanathii* by split CRISPR to produce hundred grams of dodecanedioic acid. *Metabolic engineering*, 77, 76.