

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

pRS0045

RRID:Addgene_131124

Type: Plasmid

Proper Citation

RRID:Addgene_131124

Plasmid Information

URL: <http://www.addgene.org/131124>

Proper Citation: RRID:Addgene_131124

Insert Name: TadA-linker(32aa)-TadA*(7.10)-linker(32aa)-nCas9-PmCDA1-UGI

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32483365](#)

Vector Backbone Description: Backbone Size:6480; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: Please visit <https://www.biorxiv.org/content/10.1101/729269v1> for bioRxiv preprint.

Plasmid Name: pRS0045

Relevant Mutation: A262T, R324L, S409I, E480K, E543D, M694I, E1219V in TadA, D10A in SpCas9

Record Creation Time: 20220422T221728+0000

Record Last Update: 20260808T080747+0000

Ratings and Alerts

No rating or validation information has been found for pRS0045.

No alerts have been found for pRS0045.

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 [SPARC SAWG](#) .

Pulgarin DV, et al. (2025) Light-induced expression of gRNA allows for optogenetic gene editing of T lymphocytes in vivo. Nucleic acids research, 53(6).