

Resource Summary Report

Generated by [NIF](#) on Sep 6, 2026

pTPGI_dCas9_VP64

RRID:Addgene_49013
Type: Plasmid

Proper Citation

RRID:Addgene_49013

Plasmid Information

URL: <http://www.addgene.org/49013>

Proper Citation: RRID:Addgene_49013

Insert Name: dCas9_VP64 (codon-optimized for expression in *S. cerevisiae*)

Organism: *Saccharomyces cerevisiae*

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23977949](#)

Vector Backbone Description: Vector Backbone:pTPGI (pRS304); Vector Types:Yeast Expression, CRISPR, Synthetic Biology; Bacterial Resistance:Ampicillin

Plasmid Name: pTPGI_dCas9_VP64

Record Creation Time: 20220422T222252+0000

Record Last Update: 20260905T075727+0000

Ratings and Alerts

No rating or validation information has been found for pTPGI_dCas9_VP64.

No alerts have been found for pTPGI_dCas9_VP64.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Brion C, et al. (2020) Simultaneous quantification of mRNA and protein in single cells reveals post-transcriptional effects of genetic variation. *eLife*, 9.

Li P, et al. (2019) CRISPR/Cas-based screening of a gene activation library in *Saccharomyces cerevisiae* identifies a crucial role of OLE1 in thermotolerance. *Microbial biotechnology*, 12(6), 1154.

Donovan DA, et al. (2019) Engineered Chromatin Remodeling Proteins for Precise Nucleosome Positioning. *Cell reports*, 29(8), 2520.

Li J, et al. (2018) Anti-CRISPR-based biosensors in the yeast *S. cerevisiae*. *Journal of biological engineering*, 12, 11.

Chen YC, et al. (2017) Randomized CRISPR-Cas Transcriptional Perturbation Screening Reveals Protective Genes against Alpha-Synuclein Toxicity. *Molecular cell*, 68(1), 247.

Jusiak B, et al. (2016) Engineering Synthetic Gene Circuits in Living Cells with CRISPR Technology. *Trends in biotechnology*, 34(7), 535.