Resource Summary Report

Generated by RRID on Aug 19, 2026

pCAS

RRID:Addgene_60847
Type: Plasmid

Proper Citation

RRID:Addgene_60847

Plasmid Information

URL: http://www.addgene.org/60847

Proper Citation: RRID:Addgene_60847

Insert Name: S. pyogenese Cas9

Organism: streptococcus pyogenes

Bacterial Resistance: Kanamycin

Defining Citation: PMID:25139909

Vector Backbone Description: Vector Backbone:2-micron/pUC; Vector Types:Bacterial Expression, Yeast Expression, CRISPR, Synthetic Biology; Bacterial Resistance:Kanamycin

Plasmid Name: pCAS

Record Creation Time: 20220422T222349+0000

Record Last Update: 20260815T081737+0000

Ratings and Alerts

No rating or validation information has been found for pCAS.

No alerts have been found for pCAS.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 32 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Jiang C, et al. (2026) An Episomal Clustered Regularly Interspaced Short Palindromic Repeats/Cas9 System for Transgene-Free Multiplex Gene Editing in Pig Cells. Biology, 15(10).

Wang Y, et al. (2025) A unique mechanism of snRNP core assembly. Nature communications, 16(1), 3166.

Dibyachintan S, et al. (2025) Cryptic genetic variation shapes the fate of gene duplicates in a protein interaction network. Nature communications, 16(1), 1530.

He Q, et al. (2025) Translation Inhibition by Rocaglamide A Enhances Susceptibility of Yeasts to Caspofungin. bioRxiv : the preprint server for biology.

Arnold CJ, et al. (2025) Resistance of ERG24 sterol C-14 reductase to heterocyclic amine antifungals. npj antimicrobials and resistance, 3(1), 83.

Jordan DF, et al. (2025) Residues neighboring an SH3-binding motif participate in the interaction in vivo. Genetics, 231(2).

Czechowski T, et al. (2025) Evolution of linear triterpenoid biosynthesis within the Euphorbia genus. Nature communications, 16(1), 5602.

Mangkalaphiban K, et al. (2024) Pleiotropic effects of PAB1 deletion: Extensive changes in the yeast proteome, transcriptome, and translatome. PLoS genetics, 20(9), e1011392.

Hénault M, et al. (2024) The genomic landscape of transposable elements in yeast hybrids is shaped by structural variation and genotype-specific modulation of transposition rate. eLife, 12.

Mangkalaphiban K, et al. (2023) Direct and indirect consequences of PAB1 deletion in the regulation of translation initiation, translation termination, and mRNA decay. bioRxiv : the preprint server for biology.

Hu Y, et al. (2023) Mechanism of assembly of snRNP cores assisted by ICln and the SMN complex in fission yeast. iScience, 26(9), 107604.

Gnügge R, et al. (2023) Sequence and chromatin features guide DNA double-strand break resection initiation. Molecular cell, 83(8), 1237.

Kim MJ, et al. (2022) A new platform host for strong expression under GAL promoters without inducer in Saccharomyces cerevisiae. Biotechnology reports (Amsterdam, Netherlands), 36, e00763.

Bean BDM, et al. (2022) The MyLO CRISPR-Cas9 toolkit: a markerless yeast localization and overexpression CRISPR-Cas9 toolkit. G3 (Bethesda, Md.), 12(8).

Aguilar RR, et al. (2022) A Simple, Improved Method for Scarless Genome Editing of Budding Yeast Using CRISPR-Cas9. Methods and protocols, 5(5).

Armaleo D, et al. (2021) Modeling in yeast how rDNA introns slow growth and increase desiccation tolerance in lichens. G3 (Bethesda, Md.), 11(11).

Cravens A, et al. (2021) Polymerase-guided base editing enables in vivo mutagenesis and rapid protein engineering. Nature communications, 12(1), 1579.

Khattab SMR, et al. (2021) Efficient Conversion of Glycerol to Ethanol by an Engineered Saccharomyces cerevisiae Strain. Applied and environmental microbiology, 87(23), e0026821.

Wang J, et al. (2021) Engineering a PAM-flexible SpdCas9 variant as a universal gene repressor. Nature communications, 12(1), 6916.

Dionne U, et al. (2021) Protein context shapes the specificity of SH3 domain-mediated interactions in vivo. Nature communications, 12(1), 1597.