

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

pPPEM

RRID:Addgene_162467

Type: Plasmid

Proper Citation

RRID:Addgene_162467

Plasmid Information

URL: <http://www.addgene.org/162467>

Proper Citation: RRID:Addgene_162467

Insert Name: Cas9H840A

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:34713247](#)

Vector Backbone Description: Backbone Size:8959; Vector Backbone:pCambia1300; Vector Types:Plant Expression; Bacterial Resistance:Kanamycin

Comments: The original vector is from Dr. Bing Yang at Iowa State University. We modified it. Reference: Large chromosomal deletions and heritable small genetic changes induced by CRISPR/Cas9 in rice. Zhou, H., Liu, B., Weeks, D. P., Spalding, M. H., Yang, B. Nucleic Acids Res. 2014, 42(17):10903-14. Please visit <https://www.biorxiv.org/content/10.1101/2020.07.16.206276v1> for bioRxiv preprint.

Plasmid Name: pPPEM

Relevant Mutation: Change histidine 840 to Alanine

Record Creation Time: 20220625T080151+0000

Record Last Update: 20260815T082312+0000

Ratings and Alerts

No rating or validation information has been found for pPPEM.

No alerts have been found for pPPEM.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.