

Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

pPPED

RRID:Addgene_162468

Type: Plasmid

Proper Citation

RRID:Addgene_162468

Plasmid Information

URL: <http://www.addgene.org/162468>

Proper Citation: RRID:Addgene_162468

Insert Name: Cas9H840A

Organism: Synthetic

Bacterial Resistance: Chloramphenicol and Kanamycin

Defining Citation: [PMID:34713247](#)

Vector Backbone Description: Backbone Size:14349; Vector Backbone:p201N Cas9; Vector Types:Plant Expression; Bacterial Resistance:Chloramphenicol and Kanamycin

Comments: Reference: 1) Targeted genome modifications in soybean with CRISPR/Cas9. Jacobs TB, LaFayette PR, Schmitz RJ, Parrott WA. BMC Biotechnology. 2015;15:16 2) A Multipurpose Toolkit to Enable Advanced Genome Engineering in Plants. Cermak, T. Curtin, S. J., Gil-Humanes, J., Cegan, R., Kono, T. J. Y., Konecna, E., Belanto, J. J., Starker, C. G., Mathre, J. W., Greenstein, R. L., Voytas, D. F. Plant Cell. 2017; 29(6):1196-1217. Please visit <https://www.biorxiv.org/content/10.1101/2020.07.16.206276v1> for bioRxiv preprint.

Plasmid Name: pPPED

Relevant Mutation: Change histidine 840 to Alanine based sequence on vector pMOD_A0301

Record Creation Time: 20220422T221918+0000

Record Last Update: 20260815T080902+0000

Ratings and Alerts

No rating or validation information has been found for pPPED.

No alerts have been found for pPPED.

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 [dkNET](#) .

Jeong YY, et al. (2025) Development of a prime editor with improved editing efficiency in Arabidopsis. BMB reports, 58(2), 70.