

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

[pYPQ166](#)

RRID:Addgene_109328

Type: Plasmid

Proper Citation

RRID:Addgene_109328

Plasmid Information

URL: <http://www.addgene.org/109328>

Proper Citation: RRID:Addgene_109328

Insert Name: zCas9

Organism: Other

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:29972722](#)

Vector Backbone Description: Vector Backbone:pYPQ165; Vector Types:Plant Expression, CRISPR, Gateway compatible zCas9 entry clone; Bacterial Resistance:Spectinomycin

Comments: 3_FLAG-NLS-zCas9-NLS cassette was originally from pHEE401E (Addgene plasmid#71287)

Plasmid Name: pYPQ166

Relevant Mutation: Zea mays codon-optimized Cas9

Record Creation Time: 20220422T221530+0000

Record Last Update: 20260815T080128+0000

Ratings and Alerts

No rating or validation information has been found for pYPQ166.

No alerts have been found for pYPQ166.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Pramanik D, et al. (2025) CRISPR/Cas9-Mediated Gene Knockout in Cereal Crops. Current protocols, 5(9), e70210.

Sretenovic S, et al. (2021) Expanding plant genome-editing scope by an engineered iSpyMacCas9 system that targets A-rich PAM sequences. Plant communications, 2(2), 100101.