

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

[pYPQ239](#)

RRID:Addgene_108859

Type: Plasmid

Proper Citation

RRID:Addgene_108859

Plasmid Information

URL: <http://www.addgene.org/108859>

Proper Citation: RRID:Addgene_108859

Insert Name: FnCpf1

Organism: Francisella tularensis subsp. novicida

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:29567452](#)

Vector Backbone Description: Vector Backbone:pYPQ167; Vector Types:Plant Expression, CRISPR, Gateway compatible Cpf1 entry clone; Bacterial Resistance:Spectinomycin

Comments: Cpf1 is rice codon optimized

Plasmid Name: pYPQ239

Relevant Mutation: Cpf1 is rice codon optimized

Record Creation Time: 20220422T221528+0000

Record Last Update: 20260815T080124+0000

Ratings and Alerts

No rating or validation information has been found for pYPQ239.

No alerts have been found for pYPQ239.

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 [RRID](#) .

Malzahn AA, et al. (2019) Application of CRISPR-Cas12a temperature sensitivity for improved genome editing in rice, maize, and Arabidopsis. BMC biology, 17(1), 9.