

Resource Summary Report

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

[pYPQ142](#)

RRID:Addgene_69294

Type: Plasmid

Proper Citation

RRID:Addgene_69294

Plasmid Information

URL: <http://www.addgene.org/69294>

Proper Citation: RRID:Addgene_69294

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:26297141](#)

Vector Backbone Description: Vector Backbone:pYPQ104; Vector Types:CRISPR; Bacterial Resistance:Spectinomycin

Plasmid Name: pYPQ142

Record Creation Time: 20220422T222430+0000

Record Last Update: 20260815T081851+0000

Ratings and Alerts

No rating or validation information has been found for pYPQ142.

No alerts have been found for pYPQ142.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 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.

Tripathi L, et al. (2025) Loss of function of MusaPUB genes in banana can provide enhanced resistance to bacterial wilt disease. Communications biology, 8(1), 708.

Kim B, et al. (2022) Mutations in OsDET1, OsCOP10, and OsDDB1 confer embryonic lethality and alter flavonoid accumulation in Rice (*Oryza sativa* L.) seed. Frontiers in plant science, 13, 952856.

Kim B, et al. (2021) OsCOP1 regulates embryo development and flavonoid biosynthesis in rice (*Oryza sativa* L.). TAG. Theoretical and applied genetics. Theoretische und angewandte Genetik, 134(8), 2587.

Liang Y, et al. (2021) Improved Transformation and Regeneration of Indica Rice: Disruption of SUB1A as a Test Case via CRISPR-Cas9. International journal of molecular sciences, 22(13).

Tang X, et al. (2020) Plant Prime Editors Enable Precise Gene Editing in Rice Cells. Molecular plant, 13(5), 667.