

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

pYPQ-dpcoCas9-Act3.0

RRID:Addgene_158408

Type: Plasmid

Proper Citation

RRID:Addgene_158408

Plasmid Information

URL: <http://www.addgene.org/158408>

Proper Citation: RRID:Addgene_158408

Insert Name: dpcoCas9-VP64-T2A-MS2-SunTag-rbcS-E9t-ter-ZmUbi-scFv-sfGFP-2xTAD-GB1-NOS-ter

Organism: Synthetic

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:34168320](#)

Vector Backbone Description: Vector Backbone:pYPQ173; Vector Types:Plant Expression, CRISPR; Bacterial Resistance:Spectinomycin

Comments: Please note: This plasmid is prone to recombination in Agrobacterium. Users are recommended to use plasmid 158414

Plasmid Name: pYPQ-dpcoCas9-Act3.0

Record Creation Time: 20220422T221858+0000

Record Last Update: 20260815T080816+0000

Ratings and Alerts

No rating or validation information has been found for pYPQ-dpcoCas9-Act3.0.

No alerts have been found for pYPQ-dpcoCas9-Act3.0.

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](#) .

Zhao M, et al. (2025) Enhancement of Dendrobine Production by CRISPR/Act3.0-Mediated Transcriptional Activation of Multiple Endogenous Genes in Dendrobium Plants. International journal of molecular sciences, 26(4).

Houbaert A, et al. (2025) Efficient, cell-type-specific production of flavonols by multiplexed CRISPR activation of a suite of metabolic enzymes. Nature communications, 16(1), 6559.