

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pDest_pK7WG2_pRPS5A_CTP OleGFP

RRID:Addgene_171723

Type: Plasmid

Proper Citation

RRID:Addgene_171723

Plasmid Information

URL: <http://www.addgene.org/171723>

Proper Citation: RRID:Addgene_171723

Insert Name: RPS5A promoter, RecA1 plastid targeting signal upstream of attR1, GFP downstream of attR2

Organism: Synthetic

Bacterial Resistance: Chloramphenicol and Spectinomycin

Defining Citation: [PMID:34211131](#)

Vector Backbone Description: Backbone Marker:VIB, Ghent Univ, Kamiri et al ; Vector Backbone:pK7WG2; Vector Types:Plant Expression; Bacterial Resistance:Chloramphenicol and Spectinomycin

Comments: Gateway destination vector for plants to express ORFs from entry clone with RecA1 plastid targeting signal under RPS5A promoter.

Plasmid Name: pDest_pK7WG2_pRPS5A_CTP OleGFP

Record Creation Time: 20220422T221958+0000

Record Last Update: 20260725T074246+0000

Ratings and Alerts

No rating or validation information has been found for pDest_pK7WG2_pRPS5A_CTP OleGFP.

No alerts have been found for pDest_pK7WG2_pRPS5A_CTP OleGFP.

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 [NIF](#) .

Nakazato I, et al. (2025) Resistance to the herbicide metribuzin conferred to *Arabidopsis thaliana* by targeted base editing of the chloroplast genome. *Plant biotechnology journal*, 23(1), 204.

Nakazato I, et al. (2025) Targeted C-to-T Base Editing in the *Arabidopsis* Plastid Genome. *Current protocols*, 5(1), e70075.