

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 24, 2026

pDESTpK7WG-RPS5Ap-mito

RRID:Addgene_163145

Type: Plasmid

Proper Citation

RRID:Addgene_163145

Plasmid Information

URL: <http://www.addgene.org/163145>

Proper Citation: RRID:Addgene_163145

Insert Name: RPS5A promoter and mitochondrial presequence in front of attR1 in pk7WG

Organism: Synthetic

Bacterial Resistance: Chloramphenicol and Spectinomycin

Defining Citation: [PMID:33098708](#)

Vector Backbone Description: Backbone Marker:VIB, Ghent Univ, Karimi et al. Trends Plant Sci. (2002); 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 mitochondrial presequence under the RPS5A promoter. Use with Platinum Gate TALEN kit (Kit # 1000000043) and plasmids #158728-#158735.

Plasmid Name: pDESTpK7WG-RPS5Ap-mito

Record Creation Time: 20220422T221922+0000

Record Last Update: 20260815T080909+0000

Ratings and Alerts

No rating or validation information has been found for pDESTpK7WG-RPS5Ap-mito.

No alerts have been found for pDESTpK7WG-RPS5Ap-mito.

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 [PRECISE-TBI](#) .

Zhou C, et al. (2026) TALENs and Related Technologies for Editing Nuclear and Organellar Genomes in a Model Plant, *Arabidopsis thaliana*. Bio-protocol, 16(9), e5668.

Nakazato I, et al. (2022) Targeted base editing in the mitochondrial genome of *Arabidopsis thaliana*. Proceedings of the National Academy of Sciences of the United States of America, 119(20), e2121177119.