

# Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 5, 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:** 20260905T075103+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](#)

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [SPARC SAWG](#) .

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.