

# Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

## INCTbiosyn-pAct-AtINT13

RRID:Addgene\_127534

Type: Plasmid

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### Proper Citation

RRID:Addgene\_127534

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### Plasmid Information

**URL:** <http://www.addgene.org/127534>

**Proper Citation:** RRID:Addgene\_127534

**Insert Name:** Integrase 13 coding sequence codon optimized for A. thaliana expression.

**Organism:** Other

**Bacterial Resistance:** Kanamycin

**Defining Citation:** [PMID:32444777](#)

**Vector Backbone Description:** Vector Backbone:pUC57; Vector Types:Plant Expression; Bacterial Resistance:Kanamycin

**Comments:** The whole insert (promoter, CDS and terminator) was synthesized and cloned into backbone plasmid. The Actin 2 promoter came from Aragao, F. J. L., et al. Plant Science 168, 1227-1233 (2005) and the NOS terminator sequence from pBI426 plasmid of Datla, R.S., et al. Gene 101, 239-246 (1991). The original integrase 13 coding sequence (before A. thaliana codon optimization) was obtained from Yang, L. et al. Nat. Methods 11, 1261-1266 (2014).

**Plasmid Name:** INCTbiosyn-pAct-AtINT13

**Record Creation Time:** 20220422T221709+0000

**Record Last Update:** 20260815T080437+0000

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### Ratings and Alerts

No rating or validation information has been found for INCTbiosyn-pAct-AtINT13.

No alerts have been found for INCTbiosyn-pAct-AtINT13.

## Data and Source Information

**Source:** [Addgene](#)

## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

de Oliveira MA, et al. (2024) Protocol for the establishment of a serine integrase-based platform for functional validation of genetic switch controllers in eukaryotic cells. PloS one, 19(5), e0303999.