

Resource Summary Report

Generated by [NIF](#) on Jul 28, 2026

INCTbiosyn-p35S-GFP(rc)phiC31

RRID:Addgene_127527

Type: Plasmid

Proper Citation

RRID:Addgene_127527

Plasmid Information

URL: <http://www.addgene.org/127527>

Proper Citation: RRID:Addgene_127527

Insert Name: EGFP reverse complement coding sequence flanked by attB/attP Integrase phiC31 attachment sites.

Organism: Arabidopsis thaliana

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32444777](#)

Vector Backbone Description: Vector Backbone:pBluescript SK(-); Vector Types:Plant Expression; Bacterial Resistance:Ampicillin

Comments: The whole insert (promoter, CDS and terminator) was synthesized and cloned into backbone plasmid. The CaMV 35S promoter sequence is derived from iGEM registry (BBa_K1547006); the EGFP coding sequence from Chiu, W. et al. Curr. Biol. 6, 325-330 (1996); the attB/P integrase phiC31 attachment sites sequences from Grandchamp, N. et al. PLoS One 9, (2014); and the NOS terminator sequence from pBI426 plasmid of Datla, R.S., et al. Gene 101, 239-246 (1991).

Plasmid Name: INCTbiosyn-p35S-GFP(rc)phiC31

Record Creation Time: 20220422T221709+0000

Record Last Update: 20260725T073742+0000

Ratings and Alerts

No rating or validation information has been found for INCTbiosyn-p35S-GFP(rc)phiC31.

No alerts have been found for INCTbiosyn-p35S-GFP(rc)phiC31.

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 [NIF](#) .

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.