

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 29, 2026

pSB123 - pL0_rLUC-I (CDS1)

RRID:Addgene_123181

Type: Plasmid

Proper Citation

RRID:Addgene_123181

Plasmid Information

URL: <http://www.addgene.org/123181>

Proper Citation: RRID:Addgene_123181

Insert Name: luciferase gene from Renilla reniformis with an plant intron and codon optimized for plants

Organism: Synthetic

Bacterial Resistance: Spectinomycin and Streptomycin

Defining Citation: [PMID:31263474](#)

Vector Backbone Description: Backbone Marker:Weber et al., 2011 (DOI:10.1371/journal.pone.0016765); Backbone Size:2247; Vector Backbone:pICH41308; Vector Types:Plant Expression, Luciferase, part for plant expression; Bacterial Resistance:Spectinomycin and Streptomycin

Comments: Golden Gate (MoClo - Weber et al., 2011), CDS1 position, Renilla luciferase with an intron for transient and stable expression in plants. Codon optimized for plants.

Plasmid Name: pSB123 - pL0_rLUC-I (CDS1)

Relevant Mutation: No Bpil and Bsal sites; codon-optimised for plants

Record Creation Time: 20220422T221644+0000

Record Last Update: 20260829T075338+0000

Ratings and Alerts

No rating or validation information has been found for pSB123 - pL0_rLUC-I (CDS1).

No alerts have been found for pSB123 - pL0_rLUC-I (CDS1).

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 [PRECISE-TBI](#) .

Zebell SG, et al. (2025) Cryptic variation fuels plant phenotypic change through hierarchical epistasis. Nature, 644(8078), 984.