

# Resource Summary Report

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

## pSB161 - pL2\_pSB90\_2x35S::GUS::tMAS

RRID:Addgene\_123197

Type: Plasmid

### Proper Citation

RRID:Addgene\_123197

### Plasmid Information

**URL:** <http://www.addgene.org/123197>

**Proper Citation:** RRID:Addgene\_123197

**Insert Name:** 2x35S::GUS::tMAS

**Organism:** Synthetic

**Bacterial Resistance:** Kanamycin

**Defining Citation:** [PMID:31263474](#)

**Vector Backbone Description:** Backbone Marker:Modified from pAGM4723 (Weber et al., 2011; DOI:10.1371/journal.pone.0016765) by the addition of the VirGN54D gene; Backbone Size:5851; Vector Backbone:pSB90; Vector Types:Plant Expression; Bacterial Resistance:Kanamycin

**Comments:** Vector for transient expression of GUS (contains two introns for avoiding expression in Agrobacteria). Small insert size and VirGN54D in the vector backbone facilitate strong transient expression in plants.

**Plasmid Name:** pSB161 - pL2\_pSB90\_2x35S::GUS::tMAS

**Record Creation Time:** 20220422T221645+0000

**Record Last Update:** 20260815T080351+0000

### Ratings and Alerts

No rating or validation information has been found for pSB161 - pL2\_pSB90\_2x35S::GUS::tMAS.

No alerts have been found for pSB161 - pL2\_pSB90\_2x35S::GUS::tMAS.

## Data and Source Information

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

## Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Islam T, et al. (2025) Systematic Optimization Enables Near-Perfect In Vitro Transformation Efficiencies for *Spirodela polyrhiza* (Greater Duckweed). bioRxiv : the preprint server for biology.

Cole-Osborn LF, et al. (2024) Critical parameters for robust *Agrobacterium*-mediated transient transformation and quantitative promoter assays in *Catharanthus roseus* seedlings. Plant direct, 8(6), e596.

Nguyen V, et al. (2021) An Efficient Root Transformation System for Recalcitrant *Vicia sativa*. Frontiers in plant science, 12, 781014.