

# Resource Summary Report

Generated by [dkNET](#) on Aug 16, 2026

## Nano-lantern/pRSETB

RRID:Addgene\_51969

Type: Plasmid

### Proper Citation

RRID:Addgene\_51969

### Plasmid Information

**URL:** <http://www.addgene.org/51969>

**Proper Citation:** RRID:Addgene\_51969

**Insert Name:** Nano-lantern

**Organism:** Synthetic

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:23232392](#)

**Vector Backbone Description:** Backbone Marker:Invitrogen; Vector Backbone:pRSETB; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

**Comments:** GenBank accession number: JN859492. The improved brightness of Nano-lantern should generate power densities in the range of 1?W/cm<sup>2</sup> (versus 0.1?W/cm<sup>2</sup> for RLuc8) following transient overexpression in the micromolar range in human cells, and thus increase imaging potential.

**Plasmid Name:** Nano-lantern/pRSETB

**Relevant Mutation:** S257G in RLuc8

**Record Creation Time:** 20220422T222305+0000

**Record Last Update:** 20260815T081619+0000

### Ratings and Alerts

No rating or validation information has been found for Nano-lantern/pRSETB.

No alerts have been found for Nano-lantern/pRSETB.

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## Data and Source Information

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.