

Resource Summary Report

Generated by [dkNET](#) on Aug 3, 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/cm² (versus 0.1?W/cm² 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: 20260801T081429+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.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.