

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

pLenti-DENV2A-GFP-puro

RRID:Addgene_140089

Type: Plasmid

Proper Citation

RRID:Addgene_140089

Plasmid Information

URL: <http://www.addgene.org/140089>

Proper Citation: RRID:Addgene_140089

Insert Name: DENV2A-GFP

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:31919100](#)

Vector Backbone Description: Backbone Marker:Invitrogen modified by Ie-Ming Shih; Backbone Size:7057; Vector Backbone:pLenti-puro (Addgene Plasmid #39481); Vector Types:Mammalian Expression, Lentiviral, Low expression; Bacterial Resistance:Ampicillin

Comments: The DENV2A-GFP reporter is not suitable for transient transfection as the reporter has a basal background that makes it sensitive to the levels of expression: If the expression is too high the background will mask the signal produced by the reporter - If the expression is too low you won't detect enough signal over the background. Our recommendation is to use the pLenti-DENV2A-GFP-puro construct to pack lentiviral particles with the psPAX2 (Addgene #12260) and pMD2.G (Addgene #12259) plasmids, generate stable cell lines and sort cell subpopulations with different levels of the reporter's basal background before testing them. The best reporter cells will be those with the highest signal-to-noise ratio upon DENV-2 infection.

Plasmid Name: pLenti-DENV2A-GFP-puro

Record Creation Time: 20220422T221809+0000

Record Last Update: 20260902T042004+0000

Ratings and Alerts

No rating or validation information has been found for pLenti-DENV2A-GFP-puro.

No alerts have been found for pLenti-DENV2A-GFP-puro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.