Resource Summary Report

Generated by NIF on Jul 29, 2026

pLenti-CMV-FlaviA-mNeptune-puro

RRID:Addgene_140091
Type: Plasmid

Proper Citation

RRID:Addgene_140091

Plasmid Information

URL: http://www.addgene.org/140091

Proper Citation: RRID:Addgene_140091

Insert Name: FlaviA-mNeptune

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: PMID:31919100

Vector Backbone Description: Backbone Marker:Eric Campeau, Paul Kaufman; Backbone Size:7871; Vector Backbone:pLenti CMV GFP Puro (658-5) (Addgene Plasmid #17448); Vector Types:Mammalian Expression, Lentiviral, High expression; Bacterial Resistance:Ampicillin

Comments: The FlaviA-mNeptune 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 and/or generate OSER structures - If the expression is too low you won't detect enough signal over the background. Our recommendation is to use the pLenti-CMV-FlaviA-mNeptune-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 flavivirus infection.

Plasmid Name: pLenti-CMV-FlaviA-mNeptune-puro

Record Creation Time: 20220422T221809+0000

Record Last Update: 20260725T073931+0000

Ratings and Alerts

No rating or validation information has been found for pLenti-CMV-FlaviA-mNeptune-puro.

No alerts have been found for pLenti-CMV-FlaviA-mNeptune-puro.

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 NIF .

Arias-Arias JL, et al. (2021) Generation and Implementation of Reporter BHK-21 Cells for Live Imaging of Flavivirus Infection. Bio-protocol, 11(5), e3942.