

Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

pAAV.Syn.NES-jRGECO1b.WPRE.SV40

RRID:Addgene_100857

Type: Plasmid

Proper Citation

RRID:Addgene_100857

Plasmid Information

URL: <http://www.addgene.org/100857>

Proper Citation: RRID:Addgene_100857

Insert Name: jRGECO1b

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27011354](#)

Vector Backbone Description: Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: This plasmid was previously available as pAAV.Syn.NES-jRGECO1b.WPRE.SV40 (p3846) from the Penn Vector Core. This plasmid was created as part of the GENIE project at Janelia Research Campus.

Plasmid Name: pAAV.Syn.NES-jRGECO1b.WPRE.SV40

Record Creation Time: 20220422T221450+0000

Record Last Update: 20260815T080015+0000

Ratings and Alerts

No rating or validation information has been found for pAAV.Syn.NES-jRGECO1b.WPRE.SV40 .

No alerts have been found for pAAV.Syn.NES-jRGECO1b.WPRE.SV40 .

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Light SEW, et al. (2026) Genetic interrogation reveals mechanisms regulating nexus glia development and shaping heart physiology. *Developmental cell*, 61(7), 1555.

Yan Y, et al. (2024) 3D bioprinting of human neural tissues with functional connectivity. *Cell stem cell*, 31(2), 260.

Duhne M, et al. (2021) Activation of parvalbumin-expressing neurons reconfigures neuronal ensembles in murine striatal microcircuits. *The European journal of neuroscience*, 53(7), 2149.

Han S, et al. (2019) Two-Color Volumetric Imaging of Neuronal Activity of Cortical Columns. *Cell reports*, 27(7), 2229.