

Resource Summary Report

Generated by [RRID](#) on Sep 3, 2026

pZac2.1 GfaABC1D NAPA-A SV40

RRID:Addgene_92281

Type: Plasmid

Proper Citation

RRID:Addgene_92281

Plasmid Information

URL: <http://www.addgene.org/92281>

Proper Citation: RRID:Addgene_92281

Insert Name: Neuron-astrocyte proximity assay - Astrocyte

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29621490](#)

Vector Backbone Description: Vector Backbone:pZac2.1; Vector Types:AAV; Bacterial Resistance:Ampicillin

Plasmid Name: pZac2.1 GfaABC1D NAPA-A SV40

Record Creation Time: 20220422T222624+0000

Record Last Update: 20260902T050526+0000

Ratings and Alerts

No rating or validation information has been found for pZac2.1 GfaABC1D NAPA-A SV40.

No alerts have been found for pZac2.1 GfaABC1D NAPA-A SV40.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Heo EY, et al. (2025) Impaired neuromodulator crosstalk delays arousal-dependent astroglia Ca²⁺ activation in mouse models of Alzheimer's disease. *iScience*, 28(8), 113120.

Vittani M, et al. (2025) Functional and structural profiling of circulation via genetically encoded modular fluorescent probes. *bioRxiv : the preprint server for biology*.

Wang X, et al. (2022) Liver-secreted fluorescent blood plasma markers enable chronic imaging of the microcirculation. *Cell reports methods*, 2(10), 100302.

Huang K, et al. (2021) Heparan Sulfated Glypican-4 Is Released from Astrocytes by Proteolytic Shedding and GPI-Anchor Cleavage Mechanisms. *eNeuro*, 8(4).

Huang AY, et al. (2020) Region-Specific Transcriptional Control of Astrocyte Function Oversees Local Circuit Activities. *Neuron*, 106(6), 992.

Octeau JC, et al. (2018) An Optical Neuron-Astrocyte Proximity Assay at Synaptic Distance Scales. *Neuron*, 98(1), 49.