

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 13, 2026

pAAV.hSynap.iGABASnFR

RRID:Addgene_112159

Type: Plasmid

Proper Citation

RRID:Addgene_112159

Plasmid Information

URL: <http://www.addgene.org/112159>

Proper Citation: RRID:Addgene_112159

Insert Name: iGABASnFR

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:31308547](#)

Vector Backbone Description: Vector Backbone:pAAV.hSynapsin; Vector Types:AAV;
Bacterial Resistance:Ampicillin

Comments: Please visit <https://www.biorxiv.org/content/early/2018/05/14/322578> for bioRxiv preprint.

Plasmid Name: pAAV.hSynap.iGABASnFR

Record Creation Time: 20220422T221546+0000

Record Last Update: 20260808T080446+0000

Ratings and Alerts

No rating or validation information has been found for pAAV.hSynap.iGABASnFR.

No alerts have been found for pAAV.hSynap.iGABASnFR.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Ferrari M, et al. (2026) A High-Throughput Live Imaging Platform to Investigate Circuit-Dependent Regulation of Circadian Rhythms in Brain Tissue. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(40), e75427.

Kramer P, et al. (2025) Estrogens produced within the central amygdala inhibit varicella zoster-induced orofacial pain. *Journal of neuroendocrinology*, 37(5), e70012.

Graziano B, et al. (2024) Glial KCNQ K⁺ channels control neuronal output by regulating GABA release from glia in *C. elegans*. *Neuron*.

Magloire V, et al. (2023) Volume-transmitted GABA waves pace epileptiform rhythms in the hippocampal network. *Current biology : CB*, 33(7), 1249.

Sullere S, et al. (2023) A cholinergic circuit that relieves pain despite opioid tolerance. *Neuron*, 111(21), 3414.

Jørgensen AB, et al. (2022) μ -Opioid Receptor Activation Reduces Glutamate Release in the preBötzing Complex in Organotypic Slice Cultures. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(43), 8066.

Zhang S, et al. (2020) A general strategy to red-shift green fluorescent protein-based biosensors. *Nature chemical biology*, 16(12), 1434.