

Resource Summary Report

Generated by [kravitz2](#) on Aug 20, 2026

pAAV-hSynapsin1-axon-GCaMP6s-P2A-mRuby3

RRID:Addgene_112005

Type: Plasmid

Proper Citation

RRID:Addgene_112005

Plasmid Information

URL: <http://www.addgene.org/112005>

Proper Citation: RRID:Addgene_112005

Insert Name: axon-GCaMP6s-P2A-mRuby3

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30127424](#)

Vector Backbone Description: Backbone Size:4603; Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: Addgene NGS results found minor differences in the second ITR compared to the depositor-provided sequence. The depositing lab has confirmed that this does not impair AAV production

Plasmid Name: pAAV-hSynapsin1-axon-GCaMP6s-P2A-mRuby3

Record Creation Time: 20220422T221545+0000

Record Last Update: 20260815T080157+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-hSynapsin1-axon-GCaMP6s-P2A-mRuby3.

No alerts have been found for pAAV-hSynapsin1-axon-GCaMP6s-P2A-mRuby3.

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 [kravitz2](#) .

Jiang A, et al. (2026) Distinct CA3 inputs differentially shape the learning-dependent evolution of right CA1 spatial maps. Nature communications, 17(1).

Jiang A, et al. (2025) A Preprocessing Toolbox for 2-Photon Subcellular Calcium Imaging. eNeuro, 12(5).

Jiang A, et al. (2024) A preprocessing toolbox for 2-photon subcellular calcium imaging. bioRxiv : the preprint server for biology.

Ratigan HC, et al. (2023) Direct Thalamic Inputs to Hippocampal CA1 Transmit a Signal That Suppresses Ongoing Contextual Fear Memory Retrieval. bioRxiv : the preprint server for biology.

Ratigan HC, et al. (2023) A thalamic-hippocampal CA1 signal for contextual fear memory suppression, extinction, and discrimination. Nature communications, 14(1), 6758.

Ratigan H, et al. (2023) Direct Thalamic Inputs to Hippocampal CA1 Transmit a Signal That Suppresses Ongoing Contextual Fear Memory Retrieval. Research square.

Lilascharoen V, et al. (2021) Divergent pallidal pathways underlying distinct Parkinsonian behavioral deficits. Nature neuroscience, 24(4), 504.