

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

pAAV-Ef1a-Flex-Axon-GCaMP7b

RRID:Addgene_135419

Type: Plasmid

Proper Citation

RRID:Addgene_135419

Plasmid Information

URL: <http://www.addgene.org/135419>

Proper Citation: RRID:Addgene_135419

Insert Name: axon-jGCaMP7b

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Rylan Larsen (Allen Institute for Brain Science); Backbone Size:5897; Vector Backbone:pAAV-Ef1a-DIO-Synaptophysin-GCaMP6s; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-Ef1a-Flex-Axon-GCaMP7b

Record Creation Time: 20220422T221747+0000

Record Last Update: 20260725T073851+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-Ef1a-Flex-Axon-GCaMP7b.

No alerts have been found for pAAV-Ef1a-Flex-Axon-GCaMP7b.

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 [NIF](#) .

Heer CM, et al. (2024) Distinct catecholaminergic pathways projecting to hippocampal CA1 transmit contrasting signals during behavior and learning. bioRxiv : the preprint server for biology.

Heer C, et al. (2024) Distinct catecholaminergic pathways projecting to hippocampal CA1 transmit contrasting signals during navigation in familiar and novel environments. eLife, 13.

Krishnan S, et al. (2022) Reward expectation extinction restructures and degrades CA1 spatial maps through loss of a dopaminergic reward proximity signal. Nature communications, 13(1), 6662.

Gobbo F, et al. (2020) Neuronal Activity at Synapse Resolution: Reporters and Effectors for Synaptic Neuroscience. Frontiers in molecular neuroscience, 13, 572312.