Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 29, 2025

pAAV-hSynapsin1-FLEx-axon-GCaMP6s

RRID:Addgene_112010
Type: Plasmid

Proper Citation

RRID:Addgene_112010

Plasmid Information

URL: http://www.addgene.org/112010

Proper Citation: RRID:Addgene_112010

Insert Name: axon-GCaMP6s

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: PMID:30127424

Vector Backbone Description: Backbone Size:5104; Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV, Cre/Lox; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV-hSynapsin1-FLEx-axon-GCaMP6s

Record Creation Time: 20220422T221546+0000

Record Last Update: 20220422T221758+0000

Ratings and Alerts

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

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

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Carbonell-Roig J, et al. (2024) Dysregulated acetylcholine-mediated dopamine neurotransmission in the eIF4E Tg mouse model of autism spectrum disorders. bioRxiv : the preprint server for biology.

Li M, et al. (2024) A mesocortical glutamatergic pathway modulates neuropathic pain independent of dopamine co-release. Nature communications, 15(1), 643.

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.

Park SB, et al. (2024) Repeated exposure to multiple concurrent stressors alters visual processing in the adult posterior parietal cortex. Neurobiology of stress, 31, 100660.

Wojick JA, et al. (2024) A nociceptive amygdala-striatal pathway for chronic pain aversion. 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.

Wilmot JH, et al. (2024) Phasic locus coeruleus activity enhances trace fear conditioning by increasing dopamine release in the hippocampus. eLife, 12.

Wong YT, et al. (2024) Artificial fluorescent sensor reveals pre-synaptic NMDA receptors switch cholecystokinin release and LTP in the hippocampus. Journal of neurochemistry, 168(9), 2621.

Koppensteiner P, et al. (2024) GABAB receptors induce phasic release from medial habenula terminals through activity-dependent recruitment of release-ready vesicles. Proceedings of the National Academy of Sciences of the United States of America, 121(8), e2301449121.

Carbonell-Roig J, et al. (2024) Dysregulated acetylcholine-mediated dopamine neurotransmission in the eIF4E Tg mouse model of autism spectrum disorders. Cell reports, 43(12), 114997.

Ren C, et al. (2022) Global and subtype-specific modulation of cortical inhibitory neurons regulated by acetylcholine during motor learning. Neuron, 110(14), 2334.

Szabo GG, et al. (2022) Ripple-selective GABAergic projection cells in the hippocampus. Neuron, 110(12), 1959.

Tu G, et al. (2022) Outcome-Locked Cholinergic Signaling Suppresses Prefrontal Encoding of Stimulus Associations. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(20), 4202.

Dard RF, et al. (2022) The rapid developmental rise of somatic inhibition disengages hippocampal dynamics from self-motion. eLife, 11.

Stern SA, et al. (2021) Top-down control of conditioned overconsumption is mediated by insular cortex Nos1 neurons. Cell metabolism, 33(7), 1418.