Resource Summary Report

Generated by NIF on Jul 29, 2026

paavCAG-pre-mGRASP-mCerulean

RRID:Addgene_34910
Type: Plasmid

Proper Citation

RRID:Addgene_34910

Plasmid Information

URL: http://www.addgene.org/34910

Proper Citation: RRID:Addgene_34910

Insert Name: presynaptic mGRASP

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:22138823

Vector Backbone Description: Backbone Size:5000; Vector Backbone:paavCAG; Vector Types:AAV; Bacterial Resistance:Ampicillin

Plasmid Name: paavCAG-pre-mGRASP-mCerulean

Record Creation Time: 20220422T222148+0000

Record Last Update: 20260725T074604+0000

Ratings and Alerts

No rating or validation information has been found for paavCAG-pre-mGRASP-mCerulean.

No alerts have been found for paavCAG-pre-mGRASP-mCerulean.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Cheng G, et al. (2025) The inter-organelle cross-talk finely orchestrated in the amyloidogenic processing of amyloid precursor protein in dendritic arborization neurons of Drosophila. Theranostics, 15(7), 2951.

Wang YZ, et al. (2024) Neuron type-specific proteomics reveals distinct Shank3 proteoforms in iSPNs and dSPNs lead to striatal synaptopathy in Shank3B-/- mice. Molecular psychiatry.

Kanadome T, et al. (2022) Development of intensiometric indicators for visualizing N-cadherin interaction across cells. Communications biology, 5(1), 1065.

Murthy BKB, et al. (2022) Arc-driven mGRASP highlights CA1 to CA3 synaptic engrams. Frontiers in behavioral neuroscience, 16, 1072571.

Sakaguchi R, et al. (2018) Bright multicolor labeling of neuronal circuits with fluorescent proteins and chemical tags. eLife, 7.

Kwon O, et al. (2018) Schaffer Collateral Inputs to CA1 Excitatory and Inhibitory Neurons Follow Different Connectivity Rules. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(22), 5140.

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

Li Y, et al. (2016) CRASP: CFP reconstitution across synaptic partners. Biochemical and biophysical research communications, 469(3), 352.

Feng L, et al. (2014) Using mammalian GFP reconstitution across synaptic partners (mGRASP) to map synaptic connectivity in the mouse brain. Nature protocols, 9(10), 2425.