Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 12, 2025

pGP-CMV-GCaMP6s

RRID:Addgene_40753
Type: Plasmid

Proper Citation

RRID:Addgene_40753

Plasmid Information

URL: http://www.addgene.org/40753

Proper Citation: RRID:Addgene_40753

Insert Name: GCaMP6s

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: PMID:23868258

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:3955; Vector Backbone:pEGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pGP-CMV-GCaMP6s

Record Creation Time: 20220422T222211+0000

Record Last Update: 20220422T224011+0000

Ratings and Alerts

No rating or validation information has been found for pGP-CMV-GCaMP6s.

No alerts have been found for pGP-CMV-GCaMP6s.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 43 mentions in open access literature.

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

Kalogriopoulos NA, et al. (2025) Synthetic GPCRs for programmable sensing and control of cell behaviour. Nature, 637(8044), 230.

Zeledon EV, et al. (2024) Next Generation Neuropeptide Y Receptor Small Molecule Agonists Inhibit Mosquito Biting Behavior. bioRxiv : the preprint server for biology.

Balashova OA, et al. (2024) Noncanonical function of folate through folate receptor 1 during neural tube formation. Nature communications, 15(1), 1642.

Zeledon EV, et al. (2024) Next-generation neuropeptide Y receptor small-molecule agonists inhibit mosquito-biting behavior. Parasites & vectors, 17(1), 276.

Wang S, et al. (2024) Reconstructing Signaling Networks Using Biosensor Barcoding. Methods in molecular biology (Clifton, N.J.), 2800, 189.

Coscia SM, et al. (2024) An interphase actin wave promotes mitochondrial content mixing and organelle homeostasis. Nature communications, 15(1), 3793.

Weesner JA, et al. (2024) Altered GM1 catabolism affects NMDAR-mediated Ca2+ signaling at ER-PM junctions and increases synaptic spine formation in a GM1-gangliosidosis model. Cell reports, 43(5), 114117.

Matsui T, et al. (2024) Orthogonalization of spontaneous and stimulus-driven activity by hierarchical neocortical areal network in primates. Nature communications, 15(1), 10055.

Prikhodko O, et al. (2024) Amyloid-? Causes NMDA Receptor Dysfunction and Dendritic Spine Loss through mGluR1 and AKAP150-Anchored Calcineurin Signaling. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(37).

Donowitz M, et al. (2024) COVID-19 Diarrhea Is Inflammatory, Caused by Direct Viral Effects Plus Major Role of Virus-induced Cytokines. Cellular and molecular gastroenterology and hepatology, 18(5), 101383.

Suzuki T, et al. (2024) The odor of a nontoxic tetrodotoxin analog, 5,6,11-trideoxytetrodotoxin, is detected by specific olfactory sensory neurons of the green spotted puffers. Chemical senses, 49.

Bapat O, et al. (2024) VAP spatially stabilizes dendritic mitochondria to locally support synaptic plasticity. Nature communications, 15(1), 205.

Jiang HC, et al. (2024) CD20/MS4A1 is a mammalian olfactory receptor expressed in a subset of olfactory sensory neurons that mediates innate avoidance of predators. Nature communications, 15(1), 3360.

Mayer FP, et al. (2023) Serotonin-releasing agents with reduced off-target effects. Molecular psychiatry, 28(2), 722.

Shim S, et al. (2023) Calcium dynamics at the neural cell primary cilium regulate Hedgehog signaling-dependent neurogenesis in the embryonic neural tube. Proceedings of the National Academy of Sciences of the United States of America, 120(23), e2220037120.

Park CH, et al. (2023) Pore residues of transient receptor potential channels canonical 1 and 4 heteromer determine channel properties. American journal of physiology. Cell physiology, 325(1), C42.

Blazejewski SM, et al. (2022) Rpsa Signaling Regulates Cortical Neuronal Morphogenesis via Its Ligand, PEDF, and Plasma Membrane Interaction Partner, Itga6. Cerebral cortex (New York, N.Y. : 1991), 32(4), 770.

Martín-de-Saavedra MD, et al. (2022) Shed CNTNAP2 ectodomain is detectable in CSF and regulates Ca2+ homeostasis and network synchrony via PMCA2/ATP2B2. Neuron, 110(4), 627.

Turcotte MG, et al. (2022) A perinuclear calcium compartment regulates cardiac myocyte hypertrophy. Journal of molecular and cellular cardiology, 172, 26.

Kawai H, et al. (2022) Median raphe serotonergic neurons projecting to the interpeduncular nucleus control preference and aversion. Nature communications, 13(1), 7708.