

Resource Summary Report

Generated by [dkNET](#) on Aug 29, 2026

pCAG vGlut1 GCaMP5G

RRID:Addgene_105008

Type: Plasmid

Proper Citation

RRID:Addgene_105008

Plasmid Information

URL: <http://www.addgene.org/105008>

Proper Citation: RRID:Addgene_105008

Insert Name: SLC17A7

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27429220](#)

Vector Backbone Description: Vector Backbone:pCIG2; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCAG vGlut1 GCaMP5G

Record Creation Time: 20220422T221509+0000

Record Last Update: 20260829T075028+0000

Ratings and Alerts

No rating or validation information has been found for pCAG vGlut1 GCaMP5G.

No alerts have been found for pCAG vGlut1 GCaMP5G.

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 [dkNET](#) .

Eom Y, et al. (2025) Xylene Impairs Neuronal Development by Dysregulating Calcium Homeostasis and Neuronal Activity in Developing Hippocampal Neurons. *Biomolecules & therapeutics*, 33(5), 830.

Eom Y, et al. (2024) Mitochondrial Calcium Waves by Electrical Stimulation in Cultured Hippocampal Neurons. *Molecular neurobiology*, 61(6), 3477.

Kim YK, et al. (2023) Benzo[a]pyrene represses synaptic vesicle exocytosis by inhibiting P/Q-type calcium channels in hippocampal neurons. *Ecotoxicology and environmental safety*, 263, 115301.

Kim SR, et al. (2023) Comprehensive analysis of sex differences in the function and ultrastructure of hippocampal presynaptic terminals. *Neurochemistry international*, 169, 105570.