# Resource Summary Report

Generated by dkNET on Aug 27, 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:** 20260826T040345+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.