

# Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

## MAP2-GCaMP3

RRID:Addgene\_43917

Type: Plasmid

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### Proper Citation

RRID:Addgene\_43917

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### Plasmid Information

**URL:** <http://www.addgene.org/43917>

**Proper Citation:** RRID:Addgene\_43917

**Insert Name:** GCaMP3

**Organism:** Synthetic

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:22174877](#)

**Vector Backbone Description:** Backbone Marker:Addgene plasmid 43915; Backbone Size:9600; Vector Backbone:FU-MAP2-Gateway; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

**Comments:** The MAP2-GFP lentiviral reporter plasmid pGZ-hMAP2 was purchased from System Biosciences (SR10047PA-1). The MAP2 promoter sequence from this plasmid was then cloned along with the Gateway cassette of pEF-DEST51 into the backbone of FUDeltaGW-rtTA (Addgene plasmid 19780) following removal of the ubiquitin promoter-rtTA sequence to produce FU-MAP2-Gateway (Addgene plasmid #43915). This destination vector was subsequently used to generate MAP2-GCaMP3 (GCaMP3 cloned from G-CaMP3, Addgene plasmid 22692). The V5 and His tags present in the vector backbone are not expressed with the GCaMP3 insert.

**Plasmid Name:** MAP2-GCaMP3

**Relevant Mutation:** E247V in GCaMP3

**Record Creation Time:** 20220422T222227+0000

**Record Last Update:** 20260815T081511+0000

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### Ratings and Alerts

No rating or validation information has been found for MAP2-GCaMP3.

No alerts have been found for MAP2-GCaMP3.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](#) .

Gobbo F, et al. (2020) Neuronal Activity at Synapse Resolution: Reporters and Effectors for Synaptic Neuroscience. Frontiers in molecular neuroscience, 13, 572312.