

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

[pAAV-CAG-Flex-mRuby2-GSG-P2A-GCaMP6f-WPRE-pA](#)

RRID:Addgene_68719

Type: Plasmid

Proper Citation

RRID:Addgene_68719

Plasmid Information

URL: <http://www.addgene.org/68719>

Proper Citation: RRID:Addgene_68719

Insert Name: mRuby2-P2A-GCaMP6f

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27284193](#)

Vector Backbone Description: Vector Backbone:pAAV; Vector Types:AAV; Bacterial Resistance:Ampicillin

Comments: The discrepancies between the full sequence and Addgene's QC sequence should not have any functional consequence. mRuby2: Article: Improving FRET dynamic range with bright green and red fluorescent proteins. Lam et al (Nat Methods. 2012 Sep 9. doi: 10.1038/nmeth.2171. PubMed) Addgene Plasmid 40260 GCaMP6f: Article: Ultrasensitive fluorescent proteins for imaging neuronal activity. Chen et al (Nature. 2013 Jul 18;499(7458):295-300. doi: 10.1038/nature12354. PubMed) Addgene Plasmid 40755

Plasmid Name: pAAV-CAG-Flex-mRuby2-GSG-P2A-GCaMP6f-WPRE-pA

Record Creation Time: 20220422T222427+0000

Record Last Update: 20260815T081846+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-CAG-Flex-mRuby2-GSG-P2A-GCaMP6f-WPRE-pA.

No alerts have been found for pAAV-CAG-Flex-mRuby2-GSG-P2A-GCaMP6f-WPRE-pA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Milicevic KD, et al. (2026) Multimodal optical imaging combining voltage-sensitive dye ElectroFluor630 with genetically encoded calcium, glutamate, or voltage indicators. Neurophotonics, 13(Suppl 2), S23207.

Huang LW, et al. (2024) Context and space coding in mossy cell population activity. Cell reports, 43(7), 114386.