

# Resource Summary Report

Generated by [dkNET](#) on Sep 7, 2026

## pGP-20XUAS-IVS-Syn21-jGCaMP8m-p10

RRID:Addgene\_162387

Type: Plasmid

### Proper Citation

RRID:Addgene\_162387

### Plasmid Information

**URL:** <http://www.addgene.org/162387>

**Proper Citation:** RRID:Addgene\_162387

**Insert Name:** jGCaMP8m

**Organism:** R. norvegicus (rat), G. gallus (chicken); A. victoria (jellyfish)

**Bacterial Resistance:** Ampicillin

**Vector Backbone Description:** Backbone Marker:Gerald Rubin; Vector Backbone:derived from pJFRC7; Vector Types:Insect Expression; Bacterial Resistance:Ampicillin

**Comments:** For additional description and application data, see Zhang & Rózsa et al. (2023). Fast and sensitive GCaMP calcium indicators for imaging neural populations. Nature, 615(7954), 884–891. <https://doi.org/10.1038/s41586-023-05828-9>.

**Plasmid Name:** pGP-20XUAS-IVS-Syn21-jGCaMP8m-p10

**Relevant Mutation:** A25G F286Y

**Record Creation Time:** 20220422T221918+0000

**Record Last Update:** 20260905T075055+0000

### Ratings and Alerts

No rating or validation information has been found for pGP-20XUAS-IVS-Syn21-jGCaMP8m-p10.

No alerts have been found for pGP-20XUAS-IVS-Syn21-jGCaMP8m-p10.

### Data and Source Information

Source: [Addgene](#)

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Lyu C, et al. (2026) Rewiring an olfactory circuit by altering cell-surface combinatorial code. Nature, 649(8097), 677.

Lyu C, et al. (2025) Rewiring an olfactory circuit by altering the combinatorial code of cell-surface proteins. bioRxiv : the preprint server for biology.

Lyu C, et al. (2025) Rewiring an olfactory circuit by altering the combinatorial code of cell-surface proteins. Research square.