

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 5, 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](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

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.