

# Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 11, 2026

## pCAG PSAM4 GlyR IRES EGFP

RRID:Addgene\_119739

Type: Plasmid

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### Proper Citation

RRID:Addgene\_119739

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### Plasmid Information

**URL:** <http://www.addgene.org/119739>

**Proper Citation:** RRID:Addgene\_119739

**Insert Name:** PSAM4 GlyR IRES eGFP

**Organism:** Homo sapiens

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:30872534](#)

**Vector Backbone Description:** Vector Backbone:pCAG; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

**Plasmid Name:** pCAG PSAM4 GlyR IRES EGFP

**Relevant Mutation:** L131G, Q139L, Y217F

**Record Creation Time:** 20220422T221626+0000

**Record Last Update:** 20260808T080556+0000

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### Ratings and Alerts

No rating or validation information has been found for pCAG PSAM4 GlyR IRES EGFP.

No alerts have been found for pCAG PSAM4 GlyR IRES EGFP.

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### Data and Source Information

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

## Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Peinado P, et al. (2025) Intrinsic electrical activity drives small-cell lung cancer progression. *Nature*, 639(8055), 765.

Sönmez M, et al. (2025) Modulation of cardiomyocyte contractility and action potentials with chemogenetic chloride currents. *The Journal of physiology*, 603(6), 1399.

Segura-Covarrubias G, et al. (2025) Structural basis of GluK2 kainate receptor activation by a partial agonist. *Nature structural & molecular biology*, 32(8), 1456.

Perez-Sanchez J, et al. (2023) A humanized chemogenetic system inhibits murine pain-related behavior and hyperactivity in human sensory neurons. *Science translational medicine*, 15(716), eadh3839.

Bogdanovi? N, et al. (2023) Structural dynamics of GluK2 kainate receptors in apo and partial agonist bound states. *Research square*.

Haroun R, et al. (2023) Chemogenetic Silencing of NaV1.8-Positive Sensory Neurons Reverses Chronic Neuropathic and Bone Cancer Pain in FLE<sub>x</sub> PSAM4-GlyR Mice. *eNeuro*, 10(9).

Koga K, et al. (2020) Intrinsic braking role of descending locus coeruleus noradrenergic neurons in acute and chronic itch in mice. *Molecular brain*, 13(1), 144.