

# Resource Summary Report

Generated by [dkNET](#) on Aug 6, 2026

## pGLOW77

RRID:Addgene\_177338

Type: Plasmid

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### Proper Citation

RRID:Addgene\_177338

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### Plasmid Information

**URL:** <http://www.addgene.org/177338>

**Proper Citation:** RRID:Addgene\_177338

**Insert Name:** Pmyo-2::mNeonGreen

**Organism:** Caenorhabditis elegans

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:37396790](#)

**Vector Backbone Description:** Backbone Size:2445; Vector Backbone:N/A; Vector Types:Worm Expression; Bacterial Resistance:Ampicillin

**Comments:** C. elegans codon-optimized mNeonGreen. Use as an array marker for CRISPR or as a general co-injection marker. Very bright mNG fluorescence in pharyngeal muscle. Inject at 2.5 ng/uL. Made by George Huang (Glow Worms '20). pGLOW77 has 11 random mutations relative to the pCFJ90 backbone that do not affect plasmid function.

**Plasmid Name:** pGLOW77

**Record Creation Time:** 20220422T222023+0000

**Record Last Update:** 20260801T080906+0000

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### Ratings and Alerts

No rating or validation information has been found for pGLOW77.

No alerts have been found for pGLOW77.

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### Data and Source Information

Source: [Addgene](#)

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Elsayyid MW, et al. (2025) Phosphatidylinositol 4,5-bisphosphate impacts extracellular vesicle shedding from C. elegans ciliated sensory neurons. Journal of cell science, 138(20).

Elsayyid M, et al. (2025) Phosphatidylinositol (4,5)-bisphosphate Impacts Ectosome Shedding from C. elegans Ciliated Sensory Neurons. bioRxiv : the preprint server for biology.