

Resource Summary Report

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

pGLOW77

RRID:Addgene_177338

Type: Plasmid

Proper Citation

RRID:Addgene_177338

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

Ratings and Alerts

No rating or validation information has been found for pGLOW77.

No alerts have been found for pGLOW77.

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 [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.