

# Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

## EGFP-Profilin-10

RRID:Addgene\_56438

Type: Plasmid

### Proper Citation

RRID:Addgene\_56438

### Plasmid Information

**URL:** <http://www.addgene.org/56438>

**Proper Citation:** RRID:Addgene\_56438

**Insert Name:** Profilin

**Organism:** Mus musculus

**Bacterial Resistance:** Kanamycin

**Vector Backbone Description:** Backbone Size:4750; Vector Backbone:EGFP; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

**Comments:** . Excitation = 488; Emission = 507

**Plasmid Name:** EGFP-Profilin-10

**Record Creation Time:** 20220422T222329+0000

**Record Last Update:** 20260815T081658+0000

### Ratings and Alerts

No rating or validation information has been found for EGFP-Profilin-10.

No alerts have been found for EGFP-Profilin-10.

### Data and Source Information

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

### Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Mann N, et al. (2024) OptoProfilin: A Single Component Biosensor of Applied Cellular Stress. *Chembiochem : a European journal of chemical biology*, 25(9), e202400007.

Read TA, et al. (2024) The actin binding protein profilin 1 localizes inside mitochondria and is critical for their function. *EMBO reports*, 25(8), 3240.

Cisterna BA, et al. (2024) Prolonged depletion of profilin 1 or F-actin causes an adaptive response in microtubules. *The Journal of cell biology*, 223(7).

Read TA, et al. (2023) The actin binding protein profilin 1 is critical for mitochondria function. *bioRxiv : the preprint server for biology*.

Cisterna BA, et al. (2023) Cytoskeletal adaptation following long-term dysregulation of actomyosin in neuronal processes. *bioRxiv : the preprint server for biology*.

Mann N, et al. (2023) OptoProfilin: A Single Component Biosensor of Applied Cellular Stress. *bioRxiv : the preprint server for biology*.

Lohraseb I, et al. (2022) Global ubiquitinome profiling identifies NEDD4 as a regulator of Profilin 1 and actin remodelling in neural crest cells. *Nature communications*, 13(1), 2018.

Jiang X, et al. (2022) Fine-grained, nonlinear registration of live cell movies reveals spatiotemporal organization of diffuse molecular processes. *PLoS computational biology*, 18(12), e1009667.