

Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

pME pHluorin2

RRID:Addgene_73794

Type: Plasmid

Proper Citation

RRID:Addgene_73794

Plasmid Information

URL: <http://www.addgene.org/73794>

Proper Citation: RRID:Addgene_73794

Insert Name: ratiometric pHluorin2

Organism: Synthetic

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:24973752](#)

Vector Backbone Description: Vector Backbone:PCR8; Vector Types:middle entry clone; Bacterial Resistance:Spectinomycin

Comments: Ratiometric pHluorin2 was originally published in the following paper: Mahon, M. (2011) pHluorin2: an enhanced, ratiometric, pH-sensitive green florescent protein. *Advances in Bioscience and Biotechnology*, 2, 132-137. doi: 10.4236/abb.2011.23021.

Plasmid Name: pME pHluorin2

Record Creation Time: 20220422T222451+0000

Record Last Update: 20260826T042549+0000

Ratings and Alerts

No rating or validation information has been found for pME pHluorin2.

No alerts have been found for pME pHluorin2.

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](#) .

Amagai Y, et al. (2026) Zinc-redox crosstalk regulates proteostasis in the endoplasmic reticulum. *Nature communications*, 17(1).

Amagai Y, et al. (2023) Zinc homeostasis governed by Golgi-resident ZnT family members regulates ERp44-mediated proteostasis at the ER-Golgi interface. *Nature communications*, 14(1), 2683.

Huang J, et al. (2022) Probing the Internal pH and Permeability of a Carboxysome Shell. *Biomacromolecules*, 23(10), 4339.

Guo J, et al. (2022) CamelliA-based simultaneous imaging of Ca²⁺ dynamics in subcellular compartments. *Plant physiology*, 188(4), 2253.

Pohlkamp T, et al. (2021) NHE6 depletion corrects ApoE4-mediated synaptic impairments and reduces amyloid plaque load. *eLife*, 10.

H??lsemann M, et al. (2021) TC10 regulates breast cancer invasion and metastasis by controlling membrane type-1 matrix metalloproteinase at invadopodia. *Communications biology*, 4(1), 1091.

Hines KM, et al. (2021) Absence of carbonic anhydrase in chloroplasts affects C3 plant development but not photosynthesis. *Proceedings of the National Academy of Sciences of the United States of America*, 118(33).

Lee JH, et al. (2019) Analysis of Golgi pH in Chinese hamster ovary cells using ratiometric pH-sensitive fluorescent proteins. *Biotechnology and bioengineering*, 116(5), 1006.