

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

[mcherry-PH](#)

RRID:Addgene_36075

Type: Plasmid

Proper Citation

RRID:Addgene_36075

Plasmid Information

URL: <http://www.addgene.org/36075>

Proper Citation: RRID:Addgene_36075

Insert Name: PH domain of PLCdelta1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19936219](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5428; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: mcherry-PH

Record Creation Time: 20220422T222153+0000

Record Last Update: 20260815T081405+0000

Ratings and Alerts

No rating or validation information has been found for mcherry-PH.

No alerts have been found for mcherry-PH.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Dai N, et al. (2026) Localized phosphoinositide metabolism regulates STIM1/ORAI1 fast inactivation. *iScience*, 29(5), 115543.

Tyler JJ, et al. (2025) A role for class I p21-activated kinases in the regulation of the excitability of the actin cytoskeleton. *Journal of cell science*, 138(12).

Clarke A, et al. (2024) PIP2 modulates TRPC3 activity via TRP helix and S4-S5 linker. *Nature communications*, 15(1), 5220.

Frey WD, et al. (2022) Phosphoinositide species and filamentous actin formation mediate engulfment by senescent tumor cells. *PLoS biology*, 20(10), e3001858.

Cabral-Dias R, et al. (2021) Detection of Plasma Membrane Phosphoinositide Dynamics Using Genetically Encoded Fluorescent Protein Probes. *Methods in molecular biology* (Clifton, N.J.), 2251, 73.

Zhang Y, et al. (2019) Tail domains of myosin-1e regulate phosphatidylinositol signaling and F-actin polymerization at the ventral layer of podosomes. *Molecular biology of the cell*, 30(5), 622.

Mu L, et al. (2018) A phosphatidylinositol 4,5-bisphosphate redistribution-based sensing mechanism initiates a phagocytosis programing. *Nature communications*, 9(1), 4259.

Shin W, et al. (2018) Visualization of Membrane Pore in Live Cells Reveals a Dynamic-Pore Theory Governing Fusion and Endocytosis. *Cell*, 173(4), 934.

Kim SJ, et al. (2017) Identification of postsynaptic phosphatidylinositol-4,5-bisphosphate (PIP2) roles for synaptic plasticity using chemically induced dimerization. *Scientific reports*, 7(1), 3351.