

Resource Summary Report

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

GFP-P4M-SidMx2

RRID:Addgene_51472

Type: Plasmid

Proper Citation

RRID:Addgene_51472

Plasmid Information

URL: <http://www.addgene.org/51472>

Proper Citation: RRID:Addgene_51472

Insert Name: P4M-SidM(546-647)

Organism: Legionella pneumophila

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:24711504](#)

Vector Backbone Description: Backbone Marker:Clontech; Vector Backbone:pEGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: GFP-P4M-SidMx2

Record Creation Time: 20220422T222303+0000

Record Last Update: 20260815T081614+0000

Ratings and Alerts

No rating or validation information has been found for GFP-P4M-SidMx2.

No alerts have been found for GFP-P4M-SidMx2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Ferreira JV, et al. (2026) LAMP2A regulates endosomal protein composition and membrane identity in exosome biogenesis. *iScience*, 29(1), 114305.

Arce A, et al. (2025) Heat Shock-Induced PI(4)P Increase Drives HSPA1A Translocation to the Plasma Membrane in Cancer and Stressed Cells through PI4KIII Alpha Activation. *bioRxiv : the preprint server for biology*.

Shinoda S, et al. (2024) Syntaxin 17 recruitment to mature autophagosomes is temporally regulated by PI4P accumulation. *eLife*, 12.

Buijze H, et al. (2023) Human GBP1 Is Involved in the Repair of Damaged Phagosomes/Endolysosomes. *International journal of molecular sciences*, 24(11).

Ebner M, et al. (2023) Nutrient-regulated control of lysosome function by signaling lipid conversion. *Cell*, 186(24), 5328.

Smulders L, et al. (2022) Phosphatidylinositol Monophosphates Regulate the Membrane Localization of HSPA1A, a Stress-Inducible 70-kDa Heat Shock Protein. *Biomolecules*, 12(6).

Radulovic M, et al. (2022) Cholesterol transfer via endoplasmic reticulum contacts mediates lysosome damage repair. *The EMBO journal*, 41(24), e112677.

Xie B, et al. (2022) The endoplasmic reticulum-plasma membrane tethering protein TMEM24 is a regulator of cellular Ca²⁺ homeostasis. *Journal of cell science*, 135(5).

Ma CJ, et al. (2020) An early endosome-derived retrograde trafficking pathway promotes secretory granule maturation. *The Journal of cell biology*, 219(3).

Jose GP, et al. (2020) A facile, sensitive and quantitative membrane-binding assay for proteins. *Traffic (Copenhagen, Denmark)*, 21(3), 297.

Botero S, et al. (2019) *Escherichia coli* as a platform for the study of phosphoinositide biology. *Science advances*, 5(3), eaat4872.

Zhang N, et al. (2018) *Leishmania* parasitophorous vacuole membranes display phosphoinositides that create conditions for continuous Akt activation and a target for miltefosine in *Leishmania* infections. *Cellular microbiology*, 20(11), e12889.

Gawden-Bone CM, et al. (2018) PIP5 Kinases Regulate Membrane Phosphoinositide and Actin Composition for Targeted Granule Secretion by Cytotoxic Lymphocytes. *Immunity*, 49(3), 427.

de Rubio RG, et al. (2018) Phosphatidylinositol 4-phosphate is a major source of GPCR-stimulated phosphoinositide production. *Science signaling*, 11(547).

Nozaki S, et al. (2017) Regulation of ciliary retrograde protein trafficking by the Joubert syndrome proteins ARL13B and INPP5E. *Journal of cell science*, 130(3), 563.