

Resource Summary Report

Generated by [dkNET](#) on Sep 5, 2026

mCherry-Lysosomes-20

RRID:Addgene_55073

Type: Plasmid

Proper Citation

RRID:Addgene_55073

Plasmid Information

URL: <http://www.addgene.org/55073>

Proper Citation: RRID:Addgene_55073

Insert Name: LAMP1

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

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

Comments: . Excitation = 587; Emission = 610

Plasmid Name: mCherry-Lysosomes-20

Record Creation Time: 20220422T222322+0000

Record Last Update: 20260905T075814+0000

Ratings and Alerts

No rating or validation information has been found for mCherry-Lysosomes-20.

No alerts have been found for mCherry-Lysosomes-20.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Jing Y, et al. (2025) Lysine-arginine imbalance overcomes therapeutic tolerance governed by the transcription factor E3-lysosome axis in glioblastoma. *Nature communications*, 16(1), 2876.

Saffi GT, et al. (2025) The lipid phosphatase INPP4B controls pancreatic cancer cell migration and invasion by regulating fibronectin exocytosis. *The Journal of biological chemistry*, 301(10), 110716.

Gunasekara H, et al. (2025) Unveiling cellular communications through rapid pan-membrane-protein labeling. *Nature communications*, 16(1), 3584.

Rudd JC, et al. (2023) Membrane structure and internalization dynamics of human Flower isoforms hFWE3 and hFWE4 indicate a conserved endocytic role for hFWE4. *The Journal of biological chemistry*, 299(8), 104945.

Kumar N, et al. (2023) Identification of diphenylurea derivatives as novel endocytosis inhibitors that demonstrate broad-spectrum activity against SARS-CoV-2 and influenza A virus both in vitro and in vivo. *PLoS pathogens*, 19(5), e1011358.

Jing Y, et al. (2022) Therapeutic advantage of targeting lysosomal membrane integrity supported by lysophagy in malignant glioma. *Cancer science*, 113(8), 2716.

Kattan RE, et al. (2022) Interactome Analysis of Human Phospholipase D and Phosphatidic Acid-Associated Protein Network. *Molecular & cellular proteomics : MCP*, 21(2), 100195.

Saffi GT, et al. (2022) Inhibition of lipid kinase PIKfyve reveals a role for phosphatase Inpp4b in the regulation of PI(3)P-mediated lysosome dynamics through VPS34 activity. *The Journal of biological chemistry*, 298(8), 102187.

Mukherjee A, et al. (2022) A Phosphoinositide-Binding Protein Acts in the Trafficking Pathway of Hemoglobin in the Malaria Parasite *Plasmodium falciparum*. *mBio*, 13(1), e0323921.

Kopanchuk S, et al. (2022) Intracellular dynamics of the Sigma-1 receptor observed with super-resolution imaging microscopy. *PloS one*, 17(5), e0268563.

Plescia CB, et al. (2022) Evaluation of Phenol-Substituted Diphyllin Derivatives as Selective Antagonists for Ebola Virus Entry. *ACS infectious diseases*, 8(5), 942.

Webb BA, et al. (2021) pHLARE: a new biosensor reveals decreased lysosome pH in cancer cells. *Molecular biology of the cell*, 32(2), 131.

Plescia CB, et al. (2021) SARS-CoV-2 viral budding and entry can be modeled using BSL-2 level virus-like particles. *The Journal of biological chemistry*, 296, 100103.

Du Rietz H, et al. (2020) Imaging small molecule-induced endosomal escape of siRNA. *Nature communications*, 11(1), 1809.

Plescia CB, et al. (2020) SARS-CoV-2 viral budding and entry can be modeled using virus-like particles. *bioRxiv : the preprint server for biology*.

Liang JR, et al. (2020) A Genome-wide ER-phagy Screen Highlights Key Roles of Mitochondrial Metabolism and ER-Resident UFMylation. *Cell*, 180(6), 1160.

Schwerk J, et al. (2019) RNA-binding protein isoforms ZAP-S and ZAP-L have distinct antiviral and immune resolution functions. *Nature immunology*, 20(12), 1610.

Anand A, et al. (2019) Cell Death Induced by Cationic Amphiphilic Drugs Depends on Lysosomal Ca²⁺ Release and Cyclic AMP. *Molecular cancer therapeutics*, 18(9), 1602.

Guo Y, et al. (2018) Visualizing Intracellular Organelle and Cytoskeletal Interactions at Nanoscale Resolution on Millisecond Timescales. *Cell*, 175(5), 1430.

Dettmer U, et al. (2017) Loss of native ??-synuclein multimerization by strategically mutating its amphipathic helix causes abnormal vesicle interactions in neuronal cells. *Human molecular genetics*, 26(18), 3466.