

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

mApple-LAMP1-phLuorin-N-8

RRID:Addgene_54918

Type: Plasmid

Proper Citation

RRID:Addgene_54918

Plasmid Information

URL: <http://www.addgene.org/54918>

Proper Citation: RRID:Addgene_54918

Insert Name: LAMP1 phLuorin

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mApple-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Lysosomes-20 double labeled with phLuorin. Excitation = 568; Emission = 592 LAMP1 TM domain corresponds to aa 370-407 of LAMP1 (NM_012857.2).

Plasmid Name: mApple-LAMP1-phLuorin-N-8

Relevant Mutation: Lysosomes-20 double labeled with phLuorin

Record Creation Time: 20220422T222321+0000

Record Last Update: 20260912T092854+0000

Ratings and Alerts

No rating or validation information has been found for mApple-LAMP1-phLuorin-N-8.

No alerts have been found for mApple-LAMP1-phLuorin-N-8.

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 [NIF](#) .

Chiu J, et al. (2024) Small GTPases control macropinocytosis of amyloid precursor protein and cleavage to amyloid-??. *Heliyon*, 10(10), e31077.

Du Y, et al. (2023) Tex2 is required for lysosomal functions at TMEM55-dependent ER membrane contact sites. *The Journal of cell biology*, 222(4).

Raj N, et al. (2023) Early Endosomes Act as Local Exocytosis Hubs to Repair Endothelial Membrane Damage. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 10(13), e2300244.

Pesaola F, et al. (2021) The neuronal ceroid lipofuscinosis-related protein CLN8 regulates endo-lysosomal dynamics and dendritic morphology. *Biology of the cell*, 113(10), 419.

Huang N, et al. (2021) Reprogramming an energetic AKT-PAK5 axis boosts axon energy supply and facilitates neuron survival and regeneration after injury and ischemia. *Current biology : CB*, 31(14), 3098.

Podinovskaia M, et al. (2021) A novel live-cell imaging assay reveals regulation of endosome maturation. *eLife*, 10.

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

Carisey AF, et al. (2018) Nanoscale Dynamism of Actin Enables Secretory Function in Cytolytic Cells. *Current biology : CB*, 28(4), 489.