

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

[pLAMP1-mCherry](#)

RRID:Addgene_45147

Type: Plasmid

Proper Citation

RRID:Addgene_45147

Plasmid Information

URL: <http://www.addgene.org/45147>

Proper Citation: RRID:Addgene_45147

Insert Name: LAMP1-mCherry

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:20228815](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5500; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pLAMP1-mCherry

Record Creation Time: 20220422T222232+0000

Record Last Update: 20260902T045515+0000

Ratings and Alerts

No rating or validation information has been found for pLAMP1-mCherry.

No alerts have been found for pLAMP1-mCherry.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 47 mentions in open access literature.

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

Santerre M, et al. (2026) HIV-1 Tat-induced VAPB disruption initiates a cascade of organellar failures culminating in neuronal lipid accumulation. *Journal of lipid research*, 67(6), 101053.

Meng S, et al. (2026) Identification of Non-basic Matrix Domain Residues That Impact HTLV-1 Gag Membrane Targeting and Particle Release. *Journal of molecular biology*, 438(17), 169826.

Denha SA, et al. (2025) Molecular consequences of SCA5 mutations in the spectrin-repeat domains of β -III-spectrin. *The Journal of biological chemistry*, 301(7), 110350.

Hwang S, et al. (2025) Sphingolipid synthesis maintains nuclear membrane integrity and genome stability during cell division. *The Journal of cell biology*, 224(8).

Zheng YH, et al. (2025) ADAM17 is an HIV-1 Restriction Factor Antagonized by Nef. *Research square*.

Zhang S, et al. (2025) Integrated thermal proteome and thermal proximity co-aggregation profiling identifies ATP6V1C1 as a novel anti-cancer drug target. *International journal of biological sciences*, 21(7), 3197.

Sawaya BE, et al. (2025) CK1 γ -Dependent SNAPIN Dysregulation Drives Lysosomal Failure in HIV-1 Vpr-Exposed Neurons: A Targetable Mechanism in HAND. *bioRxiv : the preprint server for biology*.

Min DH, et al. (2025) Bafilomycin A1 induces colon cancer cell death through impairment of the endolysosome system dependent on iron. *Scientific reports*, 15(1), 5148.

Ritacco DA, et al. (2025) The antibacterial factor APOL3 couples lysosomal damage to mitochondrial DNA efflux and type I IFN induction. *bioRxiv : the preprint server for biology*.

Hees JT, et al. (2024) Insulin signalling regulates Pink1 mRNA localization via modulation of AMPK activity to support PINK1 function in neurons. *Nature metabolism*, 6(3), 514.

Zhao DY, et al. (2024) Autophagy preferentially degrades non-fibrillar polyQ aggregates. *Molecular cell*, 84(10), 1980.

Wang Y, et al. (2023) Nanoenhancer for improving naked DNA electrotransfection In vivo. *Frontiers in bioengineering and biotechnology*, 11, 1181795.

Li M, et al. (2023) In situ snapshots along a mammalian selective autophagy pathway. *Proceedings of the National Academy of Sciences of the United States of America*, 120(12), e2221712120.

Lee J, et al. (2023) Abnormal triaging of misfolded proteins by adult neuronal ceroid lipofuscinosis-associated DNAJC5/CSP γ mutants causes lipofuscin accumulation. *Autophagy*, 19(1), 204.

Morishige JI, et al. (2023) Sphingosine kinase 1 is involved in triglyceride breakdown by maintaining lysosomal integrity in brown adipocytes. *Journal of lipid research*, 64(11), 100450.

Kandere-Grzybowska K, et al. (2023) Protocol and Software for Automated Detection of Lysosome Active "Runs" and "Flights" with Wavelet Transform Approach. *Methods in molecular biology* (Clifton, N.J.), 2593, 171.

Omrane M, et al. (2023) LC3B is lipidated to large lipid droplets during prolonged starvation for noncanonical autophagy. *Developmental cell*, 58(14), 1266.

da Silva RAG, et al. (2022) *Enterococcus faecalis* alters endo-lysosomal trafficking to replicate and persist within mammalian cells. *PLoS pathogens*, 18(4), e1010434.

Xing Y, et al. (2022) Stimulating TRPM7 suppresses cancer cell proliferation and metastasis by inhibiting autophagy. *Cancer letters*, 525, 179.

Saito S, et al. (2022) A motor neuron disease-associated mutation produces non-glycosylated Seipin that induces ER stress and apoptosis by inactivating SERCA2b. *eLife*, 11.