

Resource Summary Report

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

Lamp1-RFP

RRID:Addgene_1817

Type: Plasmid

Proper Citation

RRID:Addgene_1817

Plasmid Information

URL: <http://www.addgene.org/1817>

Proper Citation: RRID:Addgene_1817

Insert Name: lysosome associated membrane protein 1

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:14617360](#)

Vector Backbone Description: Backbone Size:4700; Vector Backbone:Modified Clontech Plasmid; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Lamp-1 sequence contains a D50E mutation, which is not important for function of plasmid. There is also a silent mutation at bp#715 compared to GenBank NM_012857.1

Plasmid Name: Lamp1-RFP

Relevant Mutation: D50E (not important for function of plasmid)

Record Creation Time: 20220422T222035+0000

Record Last Update: 20260815T081128+0000

Ratings and Alerts

No rating or validation information has been found for Lamp1-RFP.

No alerts have been found for Lamp1-RFP.

Data and Source Information

Usage and Citation Metrics

We found 98 mentions in open access literature.

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

Zheng YH, et al. (2026) A pH-driven receptor switch from ACE2 to NPC1 enables endosomal entry of SARS-CoV-2. Research square.

Coceano G, et al. (2026) Quantitative optical nanoscopy of mitochondrial-derived vesicles in neurons classifies pre-peroxisomal and clearing organelles. Nature communications, 17(1), 419.

Cheng G, et al. (2025) The inter-organelle cross-talk finely orchestrated in the amyloidogenic processing of amyloid precursor protein in dendritic arborization neurons of Drosophila. Theranostics, 15(7), 2951.

Bonet-Ponce L, et al. (2025) JIP4 and RILPL1 utilize opposing motor force to dynamically regulate lysosomal tubulation. The Journal of cell biology, 224(11).

Wang X, et al. (2025) The bridge-like lipid transport protein VPS13C/PARK23 mediates ER-lysosome contacts following lysosome damage. Nature cell biology, 27(5), 776.

Baldin S, et al. (2025) CDKL5 regulates the initiation of retrograde axonal transport through CLIP170-dynactin complex formation. The FEBS journal.

Zhan YJ, et al. (2025) NAT10 Increases Lysosomal Acidification to Promote Esophageal Cancer Metastasis via ac4C Acetylation of ATP6V0E1 mRNA. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(31), e02931.

Semba Y, et al. (2025) Ridaifen derivatives function as potent lysosomotropic agents, depending on their basic side chains. European journal of pharmacology, 1005, 178082.

Sharma P, et al. (2025) Impaired MAPT/tau-secretory lysosomes are linked to cognitive vulnerability in Alzheimer patients. Autophagy, 1.

Zhang C, et al. (2025) Real-time monitoring of secretory protein traffic for investigating trafficking regulators of ACE2 in living cells. The Journal of biological chemistry, 301(9), 110593.

Onken MD, et al. (2025) Inositol (1,4,5)-trisphosphate 5-phosphatase promotes survival of uveal melanoma by regulating oncogenic G protein-driven calcium oscillations. The Journal of biological chemistry, 301(9), 110589.

Miao Y, et al. (2024) Off-target autophagy inhibition by SHP2 allosteric inhibitors contributes to their antitumor activity in RAS-driven cancers. The Journal of clinical investigation, 134(15).

Schröder LF, et al. (2024) VPS13C regulates phospho-Rab10-mediated lysosomal function in human dopaminergic neurons. *The Journal of cell biology*, 223(5).

Chang Y, et al. (2024) Palmitoylation regulates myelination by modulating the ZDHHC3-Cadm4 axis in the central nervous system. *Signal transduction and targeted therapy*, 9(1), 254.

Bhat M, et al. (2024) A genetically-encoded fluorescence-based reporter to spatiotemporally investigate mannose-6-phosphate pathway. *Molecular biology of the cell*, 35(8), mr6.

Bonet-Ponce L, et al. (2024) Opposing actions of JIP4 and RILPL1 provide antagonistic motor force to dynamically regulate membrane reformation during lysosomal tubulation/sorting driven by LRRK2. *bioRxiv : the preprint server for biology*.

Gallagher ER, et al. (2023) The selective autophagy adaptor p62/SQSTM1 forms phase condensates regulated by HSP27 that facilitate the clearance of damaged lysosomes via lysophagy. *Cell reports*, 42(2), 112037.

Haque MS, et al. (2023) A conserved WXXE motif is an apical delivery determinant of ABC transporter C subfamily isoforms. *Cell structure and function*, 48(1), 71.

Bai Y, et al. (2023) PTP4A2 promotes lysophagy by dephosphorylation of VCP/p97 at Tyr805. *Autophagy*, 19(5), 1562.

Peng W, et al. (2023) Parkin regulates amino acid homeostasis at mitochondria-lysosome (M/L) contact sites in Parkinson's disease. *Science advances*, 9(29), eadh3347.