

Resource Summary Report

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

Lamp1-YFP

RRID:Addgene_1816

Type: Plasmid

Proper Citation

RRID:Addgene_1816

Plasmid Information

URL: <http://www.addgene.org/1816>

Proper Citation: RRID:Addgene_1816

Insert Name: lysosome associated membrane protein 1

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:14617360](#)

Vector Backbone Description: Backbone Marker:BD Biosciences / Clontech; Backbone Size:4700; Vector Backbone:pEYFP-N1; 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-YFP

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-YFP.

No alerts have been found for Lamp1-YFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 26 mentions in open access literature.

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

Arefin A, et al. (2026) TrkB/mGluR5 cross-talk underlies a synaptic metaplasticity mechanism of ketamine. *Science advances*, 12(18), eaec1444.

Kim JA, et al. (2026) HAP1 interaction with KCNQ4 attenuates channel surface expression and function. *Molecules and cells*, 49(3), 100322.

Lee J, et al. (2023) Distinct beta-arrestin coupling and intracellular trafficking of metabotropic glutamate receptor homo- and heterodimers. *Science advances*, 9(49), eadi8076.

Qian Y, et al. (2023) Temporally multiplexed imaging of dynamic signaling networks in living cells. *Cell*, 186(25), 5656.

Renna FJ, et al. (2023) Ubiquitination Is a Novel Post-Translational Modification of VMP1 in Autophagy of Human Tumor Cells. *International journal of molecular sciences*, 24(16).

Sun J, et al. (2022) LAMTOR1 inhibition of TRPML1-dependent lysosomal calcium release regulates dendritic lysosome trafficking and hippocampal neuronal function. *The EMBO journal*, 41(5), e108119.

Cui W, et al. (2021) Lipophagy-derived fatty acids undergo extracellular efflux via lysosomal exocytosis. *Autophagy*, 17(3), 690.

Abreu N, et al. (2021) Mechanisms of differential desensitization of metabotropic glutamate receptors. *Cell reports*, 35(4), 109050.

Hussain SS, et al. (2021) RalA and PLD1 promote lipid droplet growth in response to nutrient withdrawal. *Cell reports*, 36(4), 109451.

Kühn S, et al. (2020) Actin Assembly around the Shigella-Containing Vacuole Promotes Successful Infection. *Cell reports*, 31(6), 107638.

Guedes-Dias P, et al. (2019) Kinesin-3 Responds to Local Microtubule Dynamics to Target Synaptic Cargo Delivery to the Presynapse. *Current biology : CB*, 29(2), 268.

Laflamme C, et al. (2019) Implementation of an antibody characterization procedure and application to the major ALS/FTD disease gene C9ORF72. *eLife*, 8.

Hsieh CW, et al. (2019) Omegasome-proximal PtdIns(4,5)P2 couples F-actin mediated mitoaggregate disassembly with autophagosome formation during mitophagy. *Nature communications*, 10(1), 969.

Clerc P, et al. (2018) Targeted Magnetic Intra-Lysosomal Hyperthermia produces lysosomal reactive oxygen species and causes Caspase-1 dependent cell death. *Journal of controlled release : official journal of the Controlled Release Society*, 270, 120.

Shih-Wei W, et al. (2018) Pentabromopseudilin: a myosin V inhibitor suppresses TGF- β activity by recruiting the type II TGF- β receptor to lysosomal degradation. *Journal of enzyme inhibition and medicinal chemistry*, 33(1), 920.

Lainšček D, et al. (2017) Transcription activator-like effector-mediated regulation of gene expression based on the inducible packaging and delivery via designed extracellular vesicles. *Biochemical and biophysical research communications*, 484(1), 15.

Kang YS, et al. (2017) Promotion and Rescue of Intracellular *Brucella neotomae* Replication during Coinfection with *Legionella pneumophila*. *Infection and immunity*, 85(5).

Ghezzi C, et al. (2017) Real-time imaging of sodium glucose transporter (SGLT1) trafficking and activity in single cells. *Physiological reports*, 5(3).

Ashrafi G, et al. (2014) Mitophagy of damaged mitochondria occurs locally in distal neuronal axons and requires PINK1 and Parkin. *The Journal of cell biology*, 206(5), 655.

Follo C, et al. (2013) Similarities and differences in the biogenesis, processing and lysosomal targeting between zebrafish and human pro-Cathepsin D: functional implications. *The international journal of biochemistry & cell biology*, 45(2), 273.