

Resource Summary Report

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LAMP1-mGFP

RRID:Addgene_34831

Type: Plasmid

Proper Citation

RRID:Addgene_34831

Plasmid Information

URL: <http://www.addgene.org/34831>

Proper Citation: RRID:Addgene_34831

Insert Name: LAMP1

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:16249233](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4729; Vector Backbone:pEGFP-N3; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: This plasmid contains a variant of GFP, where the leucine at position 221 has been replaced by lysine to avoid anti-parallel dimerization.

Plasmid Name: LAMP1-mGFP

Record Creation Time: 20220422T222148+0000

Record Last Update: 20230915T081037+0000

Ratings and Alerts

No rating or validation information has been found for LAMP1-mGFP.

No alerts have been found for LAMP1-mGFP.

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 [FDI Lab - SciCrunch.org](#).

Pasqualotto BA, et al. (2024) Impaired mitochondrial morphological plasticity and failure of mitophagy associated with the G11778A mutation of LHON. Biochemical and biophysical research communications, 721, 150119.

Hofstadter WA, et al. (2024) Infection-induced peripheral mitochondria fission drives ER encapsulations and inter-mitochondria contacts that rescue bioenergetics. Nature communications, 15(1), 7352.

Eysert F, et al. (2024) Mitochondrial alterations in fibroblasts from sporadic Alzheimer's disease (AD) patients correlate with AD-related clinical hallmarks. Acta neuropathologica communications, 12(1), 90.

Tirumala NA, et al. (2024) Single-molecule imaging of stochastic interactions that drive dynein activation and cargo movement in cells. The Journal of cell biology, 223(3).

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

Tanaka Y, et al. (2024) Abemaciclib and Vacuolin-1 decrease aggregate-prone TDP-43 accumulation by accelerating autophagic flux. Biochemistry and biophysics reports, 38, 101705.

Zuo Z, et al. (2024) Selenium nanoparticles alleviate renal ischemia/reperfusion injury by inhibiting ferritinophagy via the XBP1/NCOA4 pathway. Cell communication and signaling : CCS, 22(1), 376.

Lesport E, et al. (2024) A decrease in Fkbp52 alters autophagosome maturation and A152T-tau clearance in vivo. Frontiers in cellular neuroscience, 18, 1425222.

Wong YC, et al. (2022) Mid51/Fis1 mitochondrial oligomerization complex drives lysosomal untethering and network dynamics. The Journal of cell biology, 221(10).

Küey C, et al. (2022) Recruitment of clathrin to intracellular membranes is sufficient for vesicle formation. *eLife*, 11.

Hancock-Cerutti W, et al. (2022) ER-lysosome lipid transfer protein VPS13C/PARK23 prevents aberrant mtDNA-dependent STING signaling. *The Journal of cell biology*, 221(7).

Möller K, et al. (2022) A role for the centrosome in regulating the rate of neuronal efferocytosis by microglia in vivo. *eLife*, 11.

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

Gowrishankar S, et al. (2021) Overlapping roles of JIP3 and JIP4 in promoting axonal transport of lysosomes in human iPSC-derived neurons. *Molecular biology of the cell*, 32(11), 1094.

Sotoma S, et al. (2021) In situ measurements of intracellular thermal conductivity using heater-thermometer hybrid diamond nanosensors. *Science advances*, 7(3).

Alvarez-Valadez K, et al. (2021) A novel tool for detecting lysosomal membrane permeabilization by high-throughput fluorescence microscopy. *Methods in cell biology*, 165, 1.

Cross JA, et al. (2021) Fragment-linking peptide design yields a high-affinity ligand for microtubule-based transport. *Cell chemical biology*, 28(9), 1347.

Creighton BA, et al. (2021) Giant ankyrin-B mediates transduction of axon guidance and collateral branch pruning factor sema 3A. *eLife*, 10.

Trofimenko E, et al. (2021) The endocytic pathway taken by cationic substances requires Rab14 but not Rab5 and Rab7. *Cell reports*, 37(5), 109945.

Kesisova IA, et al. (2021) A septin GTPase scaffold of dynein-dynactin motors triggers retrograde lysosome transport. *The Journal of cell biology*, 220(2).