

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](http://FDILab.SciCrunch.org) on Apr 7, 2025

pmRFP-LC3

RRID:Addgene_21075

Type: Plasmid

Proper Citation

RRID:Addgene_21075

Plasmid Information

URL: <http://www.addgene.org/21075>

Proper Citation: RRID:Addgene_21075

Insert Name: microtubule-associated protein 1 light chain 3 beta

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:17534139](https://pubmed.ncbi.nlm.nih.gov/17534139/)

Vector Backbone Description: Backbone Size:4500; Vector Backbone:pmRFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Compbell RE, Tour O, Palmer AE, Steinbach PA, Baird GS, Zacharian DA, Tsien RY, A monomeric red fluorescent protein, Proc Natl Acad Sci USA. 2002, 99(12):7877-82

Plasmid Name: pmRFP-LC3

Relevant Mutation: First ATG is not included.

Record Creation Time: 20220422T222054+0000

Record Last Update: 20220422T223545+0000

Ratings and Alerts

No rating or validation information has been found for pmRFP-LC3.

No alerts have been found for pmRFP-LC3.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 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.

Read TA, et al. (2024) The actin binding protein profilin 1 localizes inside mitochondria and is critical for their function. *EMBO reports*, 25(8), 3240.

Przanowski P, et al. (2023) ANKLE1 cleaves mitochondrial DNA and contributes to cancer risk by promoting apoptosis resistance and metabolic dysregulation. *Communications biology*, 6(1), 231.

Keary KM, et al. (2023) Dendritic distribution of autophagosomes underlies pathway-selective induction of LTD. *Cell reports*, 42(8), 112898.

Jovanovi? Stojanov S, et al. (2022) Autophagy Inhibition Enhances Anti-Glioblastoma Effects of Pyrazolo[3,4-d]pyrimidine Tyrosine Kinase Inhibitors. *Life (Basel, Switzerland)*, 12(10).

Akter E, et al. (2022) Non-degradable autophagic vacuoles are indispensable for cell competition. *Cell reports*, 40(9), 111292.

Kuijpers M, et al. (2021) Neuronal Autophagy Regulates Presynaptic Neurotransmission by Controlling the Axonal Endoplasmic Reticulum. *Neuron*, 109(2), 299.

Bressan C, et al. (2020) The dynamic interplay between ATP/ADP levels and autophagy sustain neuronal migration in vivo. *eLife*, 9.

Hirano S, et al. (2020) Relevance of autophagy markers to cytotoxicity of zinc compounds in macrophages. *Toxicology in vitro : an international journal published in association with BIBRA*, 65, 104816.

Zambrano JN, et al. (2019) HUNK Phosphorylates Rubicon to Support Autophagy. *International journal of molecular sciences*, 20(22).