

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

FUW mCherry-GFP-LC3

RRID:Addgene_110060

Type: Plasmid

Proper Citation

RRID:Addgene_110060

Plasmid Information

URL: <http://www.addgene.org/110060>

Proper Citation: RRID:Addgene_110060

Insert Name: mCherry-GFP-LC3

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29590078](#)

Vector Backbone Description: Vector Backbone:FUW; Vector Types:Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: FUW mCherry-GFP-LC3

Record Creation Time: 20220422T221535+0000

Record Last Update: 20260725T073456+0000

Ratings and Alerts

No rating or validation information has been found for FUW mCherry-GFP-LC3.

No alerts have been found for FUW mCherry-GFP-LC3.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 36 mentions in open access literature.

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

Li L, et al. (2025) USP1 promotes pancreatic cancer progression and autophagy by deubiquitinating ATG14. The Journal of biological chemistry, 301(3), 108190.

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.

Marx C, et al. (2025) DNA damage response regulator ATR licenses PINK1-mediated mitophagy. Nucleic acids research, 53(5).

Siqueira E, et al. (2025) NEAT1-mediated regulation of proteostasis and mRNA localization impacts autophagy dysregulation in Rett syndrome. Nucleic acids research, 53(4).

Gong Y, et al. (2025) CRISPR-Cas9 screening reveals G2E3 as a novel ubiquitin-linked factor controlling autophagosome-lysosome fusion and cancer cell progression. Cell death discovery, 11(1), 455.

Díaz-Osorio Y, et al. (2025) Spermidine Recovers the Autophagy Defects Underlying the Pathophysiology of Cell Trafficking Disorders. Journal of inherited metabolic disease, 48(1), e12841.

Zhang Z, et al. (2025) PTP γ -mediated PI3P regulation modulates neurodegeneration in C9ORF72-ALS/FTD. Neuron, 113(8), 1190.

Acosta Ingram D, et al. (2025) GRAMD1B is a regulator of lipid homeostasis, autophagic flux and phosphorylated tau. Nature communications, 16(1), 3312.

Das AS, et al. (2025) AIMP3 maintains cardiac homeostasis by regulating the editing activity of methionyl-tRNA synthetase. Nature cardiovascular research, 4(7), 876.

Pollack SJ, et al. (2024) Truncated tau interferes with the autophagy and endolysosomal pathway and results in lipid accumulation. Cellular and molecular life sciences : CMLS, 81(1), 304.

Lee SW, et al. (2024) Longitudinal modeling of human neuronal aging reveals the contribution of the RCAN1-TFEB pathway to Huntington's disease neurodegeneration. Nature aging, 4(1), 95.

Sharma S, et al. (2024) Polyvinylpyrrolidone capped silver nanoparticles enhance the autophagic clearance of Acinetobacter baumannii from human pulmonary cells. Discover nano, 19(1), 154.

Soto-Avellaneda A, et al. (2024) FABP5-binding lipids regulate autophagy in differentiated SH-SY5Y cells. PloS one, 19(6), e0300168.

Gabel AM, et al. (2024) Multiplexed screening reveals how cancer-specific alternative polyadenylation shapes tumor growth in vivo. Nature communications, 15(1), 959.

Diao F, et al. (2023) Porcine reproductive and respiratory syndrome virus infection triggers autophagy via ER stress-induced calcium signaling to facilitate virus replication. *PLoS pathogens*, 19(3), e1011295.

Koh Y, et al. (2023) Genetic assessment of pathogenic germline alterations in lysosomal genes among Asian patients with pancreatic ductal adenocarcinoma. *Journal of translational medicine*, 21(1), 730.

Zhang H, et al. (2023) A Gating Mutation in Ryanodine Receptor Type 2 Rescues Phenotypes of Alzheimer's Disease Mouse Models by Upregulating Neuronal Autophagy. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(8), 1441.

Hung CS, et al. (2023) Pan-Inhibition of Protein Disulfide Isomerase Caused Cell Death through Disrupting Cellular Proteostasis in Pancreatic Ductal Adenocarcinoma Cells. *International journal of molecular sciences*, 24(22).

Lee SW, et al. (2023) Longitudinal modeling of human neuronal aging identifies RCAN1-TFEB pathway contributing to neurodegeneration of Huntington's disease. *Research square*.

Teo QW, et al. (2023) Usp25-Erlin1/2 activity limits cholesterol flux to restrict virus infection. *Developmental cell*, 58(22), 2495.