Resource Summary Report

Generated by RRID on Aug 18, 2026

pMRX-IP-GFP-LC3-RFP-LC3?G

RRID:Addgene_84572
Type: Plasmid

Proper Citation

RRID:Addgene_84572

Plasmid Information

URL: http://www.addgene.org/84572

Proper Citation: RRID:Addgene_84572

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

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: PMID:27818143

Vector Backbone Description: Backbone Marker:Dr.Shoji Yamaoka of Tokyo Medical and Dental University; Backbone Size:6100; Vector Backbone:pMRX-IP; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Plasmid Name: pMRX-IP-GFP-LC3-RFP-LC3?G

Record Creation Time: 20220422T222545+0000

Record Last Update: 20260815T082121+0000

Ratings and Alerts

No rating or validation information has been found for pMRX-IP-GFP-LC3-RFP-LC3?G.

No alerts have been found for pMRX-IP-GFP-LC3-RFP-LC3?G.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 68 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Cao Y, et al. (2026) Targeting the ferritinophagy-lysosome axis as a therapeutic vulnerability in gastroenteropancreatic neuroendocrine tumors. Cell reports. Medicine, 7(4), 102695.

Roach MK, et al. (2026) Vertical inhibition of the autophagy pathway impairs growth and enhances sensitivity to mTORC1 inhibition in pancreatic ductal adenocarcinoma. bioRxiv : the preprint server for biology.

Parkinson C, et al. (2026) A dose-dependent switch in translation capacity controls the transcription factor response to H2O2 stress. bioRxiv : the preprint server for biology.

Ling J, et al. (2025) A Heparan Sulfate Mimetic RAFT Copolymer Inhibits SARS-CoV-2 Infection and Ameliorates Viral-Induced Inflammation. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(6), e2411737.

Hattori Y, et al. (2025) Ambroxol induces myeloma cell death by inhibiting autophagy. Blood neoplasia, 2(3), 100100.

Ho-Xuan H, et al. (2025) YTHDF proteins and m6A-RNA clients undergo autophagic turnover during contact inhibition. Cell reports, 44(9), 116188.

Yaeger JDW, et al. (2025) Cholesterol deficiency directs autophagy-dependent secretion of extracellular vesicles. bioRxiv : the preprint server for biology.

Chen D, et al. (2025) H3K36me2 methyltransferase NSD2/WHSC1 promotes triple-negative breast cancer metastasis via activation of ULK1-dependent autophagy. Autophagy, 21(8), 1824.

Xie K, et al. (2025) The Yeast-Fermented Garlic and a Balance of Spermine/Spermidine Activates Autophagy via EGR1 Transcriptional Factor. Molecular nutrition & food research, 69(5), e202400606.

Gupta Y, et al. (2025) Atypical cadherin FAT1 promotes tumorigenesis by suppressing autophagic cell death in glioblastoma under hypoxia or nutrient stress. Cellular & molecular biology letters, 30(1), 106.

Coculo L, et al. (2025) Interplay between ALK2R206H mutant receptor and autophagy signaling regulates receptor stability and its chondrogenic functions. Cell death discovery, 11(1), 117.

Akhtar A, et al. (2025) Bioengineering the metabolic network of CAR T cells with GLP-1 and Urolithin A increases persistence and long-term anti-tumor activity. Cell reports. Medicine, 6(3), 102021.

DeLiberty JM, et al. (2025) Concurrent Inhibition of the RAS-MAPK Pathway and PIKfyve Is a Therapeutic Strategy for Pancreatic Cancer. Cancer research, 85(8), 1479.

Cheng C, et al. (2025) Targeting PIKfyve-driven lipid metabolism in pancreatic cancer. Nature, 642(8068), 776.

Bhupana JN, et al. (2025) Endolysosomal processing of neuron-derived signaling lipids regulates autophagy and lipid droplet degradation in astrocytes. Nature communications, 16(1), 5073.

Woo K, et al. (2025) Acinetobacter baumannii OmpA hinders host autophagy via the CaMKK2-reliant AMPK-pathway. mBio, 16(4), e0336924.

Kondo N, et al. (2025) The autophagy component LC3 regulates lymphocyte adhesion via LFA1 transport in response to outside-in signaling. Nature communications, 16(1), 1343.

Fu BXH, et al. (2025) Loss of Fanconi anemia proteins causes a reliance on lysosomal exocytosis. Cell death & disease, 16(1), 791.

Oh SW, et al. (2025) The Role of MRGPRX1 in the Melanogenesis of Human Primary Epidermal Melanocytes. The Journal of investigative dermatology.

Sung CC, et al. (2024) The role of polo-like kinases 2 in the proteasomal and lysosomal degradation of alpha-synuclein in neurons. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 38(20), e70121.