

Resource Summary Report

Generated by [NIF](#) on Aug 26, 2026

pBABE-puro mCherry-EGFP-LC3B

RRID:Addgene_22418

Type: Plasmid

Proper Citation

RRID:Addgene_22418

Plasmid Information

URL: <http://www.addgene.org/22418>

Proper Citation: RRID:Addgene_22418

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

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19148225](#)

Vector Backbone Description: Backbone Size:5169; Vector Backbone:pBABE-puro; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: Please click the "Notes from Addgene" link above for sequence submitted by a requesting scientist and further observations on using this plasmid.

Plasmid Name: pBABE-puro mCherry-EGFP-LC3B

Record Creation Time: 20220422T222059+0000

Record Last Update: 20260815T081212+0000

Ratings and Alerts

No rating or validation information has been found for pBABE-puro mCherry-EGFP-LC3B.

No alerts have been found for pBABE-puro mCherry-EGFP-LC3B.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 220 mentions in open access literature.

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

Webb JD, et al. (2026) ULK1 promotes metastatic progression in experimental models of epithelial ovarian cancer. *Oncogene*, 45(12), 1111.

Webb JD, et al. (2026) Divergent Role of ULK1 to Balance Mitochondrial Homeostasis and Bioenergetics in Ovarian Cancer Spheroids. *Cancers*, 18(11).

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.

Melnyk O, et al. (2026) Real-time in vivo analysis of murine β cells reveals autophagic flux defects before onset of autoimmune diabetes. *Science translational medicine*, 18(850), eadj4902.

Borrelli MJ, et al. (2025) CAMKK γ supports growth and viability of epithelial ovarian cancer in vitro and in vivo. *Scientific reports*, 15(1), 25913.

Luo H, et al. (2025) Cepharanthine Enhances MHC-I Antigen Presentation and Anti-Tumor Immunity in Melanoma via Autophagy Inhibition. *Cells*, 14(16).

Nagiec MJ, et al. (2025) Lysosome-dependent nutrient scavenging underlies stress adaptation during epithelial-to-mesenchymal transition. *bioRxiv* : the preprint server for biology.

He LN, et al. (2025) Tetrandrine augments melanoma cell immunogenicity via dual inhibition of autophagic flux and proteasomal activity enhancing MHC-I presentation. *Acta pharmacologica Sinica*, 46(7), 2056.

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.

Rader AG, et al. (2025) Autophagy-enhancing strategies to promote intestinal viral resistance and mucosal barrier function in SARS-CoV-2 infection. *Autophagy reports*, 4(1), 2514232.

Guo J, et al. (2025) DIRAS3 Inhibits Ovarian Cancer Cell Growth by Blocking the Fibronectin-Mediated Integrin α 1/FAK/AKT Signaling Pathway. *Cells*, 14(16).

Zrelski MM, et al. (2025) Impaired Autophagic Flux in Skeletal Muscle of Plectin-Related Epidermolysis Bullosa Simplex With Muscular Dystrophy. *Journal of cachexia, sarcopenia and muscle*, 16(4), e70001.

Mathavarajah S, et al. (2025) The evolutionarily conserved PRP4K-CHMP4B/vps32 splicing circuit regulates autophagy. *Cell reports*, 44(7), 115870.

Inpanathan S, et al. (2024) Salmonella actively modulates TFEB in murine macrophages in a growth-phase and time-dependent manner. Microbiology spectrum, 12(1), e0498122.

Schreurs RRCE, et al. (2024) Autophagy-enhancing ATG16L1 polymorphism is associated with improved clinical outcome and T-cell immunity in chronic HIV-1 infection. Nature communications, 15(1), 2465.

Nguyen AT, et al. (2024) All-trans retinoic acid induces lipophagy by reducing Rubicon in Hepa1c1c7 cells. Journal of lipid research, 65(8), 100598.

Topchu I, et al. (2024) NSD1 supports cell growth and regulates autophagy in HPV-negative head and neck squamous cell carcinoma. Cell death discovery, 10(1), 75.

Ghazi PC, et al. (2024) Inhibition of ULK1/2 and KRASG12C controls tumor growth in preclinical models of lung cancer. eLife, 13.

Cloherty APM, et al. (2024) Dengue virus exploits autophagy vesicles and secretory pathways to promote transmission by human dendritic cells. Frontiers in immunology, 15, 1260439.

Ji L, et al. (2024) High glucose-induced p66Shc mitochondrial translocation regulates autophagy initiation and autophagosome formation in syncytiotrophoblast and extravillous trophoblast. Cell communication and signaling : CCS, 22(1), 234.