

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pmCherry-ATG5

RRID:Addgene_13095

Type: Plasmid

Proper Citation

RRID:Addgene_13095

Plasmid Information

URL: <http://www.addgene.org/13095>

Proper Citation: RRID:Addgene_13095

Insert Name: ATG5

Organism: Mus musculus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:16645637](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:3941; Vector Backbone:pEGFPC1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: for mCherry marker protein Campbell RE, Tour O, Palmer AE, Steinbach PA, Baird GS, Zacharias DA, Tsien RY. Proc Natl Acad Sci U S A. 2002 Jun 11;99(12):7877-82

Plasmid Name: pmCherry-ATG5

Record Creation Time: 20220422T221727+0000

Record Last Update: 20260815T080513+0000

Ratings and Alerts

No rating or validation information has been found for pmCherry-ATG5.

No alerts have been found for pmCherry-ATG5.

Data and Source Information

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Rodriguez MN, et al. (2025) Sex does not influence neuronal autophagosome biogenesis throughout aging in mice. *Molecular biology of the cell*, 36(11), ar135.

Kwon J, et al. (2025) MCOLN1/TRPML1-MCOLN3/TRPML3 heteromer and its coupling to Ca²⁺ sensor SYT5 regulates autophagosome-lysosome fusion in a PtdIns4P-dependent manner. *Autophagy*, 1.

Waisner H, et al. (2025) Herpes simplex virus diverts CIN85 endosomal cargo for exocytosis to evade antiviral responses: a novel role for the viral immediate-early protein ICP0. *mBio*, 16(11), e0214325.

Demirbag-Sarikaya S, et al. (2022) A novel ATG5 interaction with Ku70 potentiates DNA repair upon genotoxic stress. *Scientific reports*, 12(1), 8134.

Kocaturk NM, et al. (2022) Novel protein complexes containing autophagy and UPS components regulate proteasome-dependent PARK2 recruitment onto mitochondria and PARK2-PARK6 activity during mitophagy. *Cell death & disease*, 13(11), 947.

Khobreakar NV, et al. (2020) The Dynein Adaptor RILP Controls Neuronal Autophagosome Biogenesis, Transport, and Clearance. *Developmental cell*, 53(2), 141.

Mao M, et al. (2020) Redirecting Vesicular Transport to Improve Nonviral Delivery of Molecular Cargo. *Advanced biosystems*, 4(8), e2000059.

Stavoe AK, et al. (2019) Expression of WIPI2B counteracts age-related decline in autophagosome biogenesis in neurons. *eLife*, 8.

Wible DJ, et al. (2019) ATG5 cancer mutations and alternative mRNA splicing reveal a conjugation switch that regulates ATG12-ATG5-ATG16L1 complex assembly and autophagy. *Cell discovery*, 5, 42.

Perot BP, et al. (2018) Autophagy diminishes the early interferon-?? response to influenza A virus resulting in differential expression of interferon-stimulated genes. *Cell death & disease*, 9(5), 539.

Guo H, et al. (2017) Atg5 Disassociates the V1V0-ATPase to Promote Exosome Production and Tumor Metastasis Independent of Canonical Macroautophagy. *Developmental cell*, 43(6), 716.

Okerlund ND, et al. (2017) Bassoon Controls Presynaptic Autophagy through Atg5. *Neuron*, 93(4), 897.

Wacker R, et al. (2017) LC3-association with the parasitophorous vacuole membrane of *Plasmodium berghei* liver stages follows a noncanonical autophagy pathway. *Cellular microbiology*, 19(10).

Al Abdallah Q, et al. (2016) A Fungus-Specific Protein Domain Is Essential for RasA-Mediated Morphogenetic Signaling in *Aspergillus fumigatus*. *mSphere*, 1(6).

Krieger V, et al. (2014) Reorganization of the endosomal system in *Salmonella*-infected cells: the ultrastructure of *Salmonella*-induced tubular compartments. *PLoS pathogens*, 10(9), e1004374.

Martinez-Lopez N, et al. (2013) Autophagy proteins regulate ERK phosphorylation. *Nature communications*, 4, 2799.

Du J, et al. (2012) Role of autophagy in angiogenesis in aortic endothelial cells. *American journal of physiology. Cell physiology*, 302(2), C383.