

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 4, 2026

pEGFP-Atg14L

RRID:Addgene_21635

Type: Plasmid

Proper Citation

RRID:Addgene_21635

Plasmid Information

URL: <http://www.addgene.org/21635>

Proper Citation: RRID:Addgene_21635

Insert Name: Atg14L

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:19270696](#)

Vector Backbone Description: Backbone Size:4727; Vector Backbone:pEGFP-C2 (Clontech); Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pEGFP-Atg14L

Record Creation Time: 20220422T222056+0000

Record Last Update: 20260902T044034+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP-Atg14L.

No alerts have been found for pEGFP-Atg14L.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

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

Sindram E, et al. (2025) LRBA deficiency impairs autophagy and contributes to enhanced antigen presentation and T-cell dysregulation. *EMBO reports*, 26(16), 4040.

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

Tsong H, et al. (2023) Aging Differentially Affects Axonal Autophagosome Formation and Maturation. *Autophagy*, 19(12), 3079.

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

Hirano K, et al. (2019) Neuroprotective effects of memantine via enhancement of autophagy. *Biochemical and biophysical research communications*, 518(1), 161.

Haidar M, et al. (2019) Neuropathy-causing mutations in HSPB1 impair autophagy by disturbing the formation of SQSTM1/p62 bodies. *Autophagy*, 15(6), 1051.

Xian H, et al. (2019) STX17 dynamically regulated by Fis1 induces mitophagy via hierarchical macroautophagic mechanism. *Nature communications*, 10(1), 2059.

Saleeb RS, et al. (2019) A VPS33A-binding motif on syntaxin 17 controls autophagy completion in mammalian cells. *The Journal of biological chemistry*, 294(11), 4188.

Hsieh CW, et al. (2019) Omegasome-proximal PtdIns(4,5)P2 couples F-actin mediated mitoaggregate disassembly with autophagosome formation during mitophagy. *Nature communications*, 10(1), 969.

Mukhopadhyay S, et al. (2017) ATG14 facilitated lipophagy in cancer cells induce ER stress mediated mitoptosis through a ROS dependent pathway. *Free radical biology & medicine*, 104, 199.