

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

pEGFP-C1-hAtg2A

RRID:Addgene_36456

Type: Plasmid

Proper Citation

RRID:Addgene_36456

Plasmid Information

URL: <http://www.addgene.org/36456>

Proper Citation: RRID:Addgene_36456

Insert Name: autophagy-related protein 2 homolog A

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:22219374](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4731; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pEGFP-C1-hAtg2A

Relevant Mutation: changed Proline 656 to Arginine

Record Creation Time: 20220422T222155+0000

Record Last Update: 20260815T081410+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP-C1-hAtg2A.

No alerts have been found for pEGFP-C1-hAtg2A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Zhu Y, et al. (2024) Loss of WIPI4 in neurodegeneration causes autophagy-independent ferroptosis. *Nature cell biology*, 26(4), 542.

Bueno-Arribas M, et al. (2021) A conserved ATG2 binding site in WIPI4 and yeast Hsv2 is disrupted by mutations causing ??-propeller protein-associated neurodegeneration. *Human molecular genetics*, 31(1), 111.

Kojima W, et al. (2021) Mammalian BCAS3 and C16orf70 associate with the phagophore assembly site in response to selective and non-selective autophagy. *Autophagy*, 17(8), 2011.

Valverde DP, et al. (2019) ATG2 transports lipids to promote autophagosome biogenesis. *The Journal of cell biology*, 218(6), 1787.

Gao G, et al. (2019) DFCP1 associates with lipid droplets. *Cell biology international*, 43(12), 1492.

Takahashi Y, et al. (2018) An autophagy assay reveals the ESCRT-III component CHMP2A as a regulator of phagophore closure. *Nature communications*, 9(1), 2855.

Zheng JX, et al. (2017) Architecture of the ATG2B-WDR45 complex and an aromatic Y/HF motif crucial for complex formation. *Autophagy*, 13(11), 1870.