

Resource Summary Report

Generated by [NIF](#) on Sep 23, 2026

pCMV-myc-Atg7

RRID:Addgene_24921

Type: Plasmid

Proper Citation

RRID:Addgene_24921

Plasmid Information

URL: <http://www.addgene.org/24921>

Proper Citation: RRID:Addgene_24921

Insert Name: Atg7

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18296641](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:3800; Vector Backbone:pCMV-Myc; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCMV-myc-Atg7

Record Creation Time: 20220422T222111+0000

Record Last Update: 20260919T091610+0000

Ratings and Alerts

No rating or validation information has been found for pCMV-myc-Atg7.

No alerts have been found for pCMV-myc-Atg7.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Zhang Q, et al. (2024) Control of NAD⁺ homeostasis by autophagic flux modulates mitochondrial and cardiac function. *The EMBO journal*, 43(3), 362.

Medhavy A, et al. (2024) A TNIP1-driven systemic autoimmune disorder with elevated IgG4. *Nature immunology*, 25(9), 1678.

Wu M, et al. (2022) *Toxoplasma gondii* CDPK3 Controls the Intracellular Proliferation of Parasites in Macrophages. *Frontiers in immunology*, 13, 905142.

Greer SU, et al. (2022) Germline variants of ATG7 in familial cholangiocarcinoma alter autophagy and p62. *Scientific reports*, 12(1), 10333.

Zhu J, et al. (2019) ATG7 Promotes Bladder Cancer Invasion via Autophagy-Mediated Increased ARHGDIB mRNA Stability. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 6(8), 1801927.

Ogmundsdottir MH, et al. (2018) A short isoform of ATG7 fails to lipidate LC3/GABARAP. *Scientific reports*, 8(1), 14391.

He R, et al. (2017) Glucosyltransferase Activity of *Clostridium difficile* Toxin B Triggers Autophagy-mediated Cell Growth Arrest. *Scientific reports*, 7(1), 10532.

Endo S, et al. (2017) Autophagy Is Required for Activation of Pancreatic Stellate Cells, Associated With Pancreatic Cancer Progression and Promotes Growth of Pancreatic Tumors in Mice. *Gastroenterology*, 152(6), 1492.

Ra EA, et al. (2016) TRIM31 promotes Atg5/Atg7-independent autophagy in intestinal cells. *Nature communications*, 7, 11726.

Piya S, et al. (2016) Atg7 suppression enhances chemotherapeutic agent sensitivity and overcomes stroma-mediated chemoresistance in acute myeloid leukemia. *Blood*, 128(9), 1260.

Xia M, et al. (2014) Mitophagy enhances oncolytic measles virus replication by mitigating DDX58/RIG-I-like receptor signaling. *Journal of virology*, 88(9), 5152.

Zou M, et al. (2012) Beclin 1-mediated autophagy in hepatocellular carcinoma cells: implication in anticancer efficiency of oroxylin A via inhibition of mTOR signaling. *Cellular signalling*, 24(8), 1722.