

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 10, 2026

pcDNA3-Beclin1

RRID:Addgene_21150

Type: Plasmid

Proper Citation

RRID:Addgene_21150

Plasmid Information

URL: <http://www.addgene.org/21150>

Proper Citation: RRID:Addgene_21150

Insert Name: PcDNA3-Beclin1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16522639](#)

Vector Backbone Description: Backbone Size:5428; Vector Backbone:pcDNA3.1;
Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3-Beclin1

Record Creation Time: 20220422T222054+0000

Record Last Update: 20260808T081407+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-Beclin1.

No alerts have been found for pcDNA3-Beclin1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Huang Z, et al. (2018) Aspirin induces Beclin-1-dependent autophagy of human hepatocellular carcinoma cell. *European journal of pharmacology*, 823, 58.

Tao H, et al. (2017) Wnt/??-catenin signaling pathway activation reverses gemcitabine resistance by attenuating Beclin1-mediated autophagy in the MG63 human osteosarcoma cell line. *Molecular medicine reports*, 16(2), 1701.

Kumar R, et al. (2016) MicroRNA 17-5p regulates autophagy in Mycobacterium tuberculosis-infected macrophages by targeting Mcl-1 and STAT3. *Cellular microbiology*, 18(5), 679.

Zhao X, et al. (2015) Elaiophyllin, a novel autophagy inhibitor, exerts antitumor activity as a single agent in ovarian cancer cells. *Autophagy*, 11(10), 1849.

Merabova N, et al. (2015) WW domain of BAG3 is required for the induction of autophagy in glioma cells. *Journal of cellular physiology*, 230(4), 831.

Choubey V, et al. (2014) BECN1 is involved in the initiation of mitophagy: it facilitates PARK2 translocation to mitochondria. *Autophagy*, 10(6), 1105.

Qi Y, et al. (2014) Autophagy inhibition by sustained overproduction of IL6 contributes to arsenic carcinogenesis. *Cancer research*, 74(14), 3740.

Feldman DE, et al. (2013) The TBC1D15 oncoprotein controls stem cell self-renewal through destabilization of the Numb-p53 complex. *PloS one*, 8(2), e57312.

Liu H, et al. (2012) Angiogenesis impairment in diabetes: role of methylglyoxal-induced receptor for advanced glycation endproducts, autophagy and vascular endothelial growth factor receptor 2. *PloS one*, 7(10), e46720.