

Resource Summary Report

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

[myc-hULK1](#)

RRID:Addgene_31961

Type: Plasmid

Proper Citation

RRID:Addgene_31961

Plasmid Information

URL: <http://www.addgene.org/31961>

Proper Citation: RRID:Addgene_31961

Insert Name: ULK1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19225151](#)

Vector Backbone Description: Backbone Size:4754; Vector Backbone:pRK5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: myc-hULK1

Record Creation Time: 20220422T222138+0000

Record Last Update: 20260815T081337+0000

Ratings and Alerts

No rating or validation information has been found for myc-hULK1.

No alerts have been found for myc-hULK1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Song Y, et al. (2023) Gemigliptin, a DPP4 inhibitor, ameliorates nonalcoholic steatohepatitis through AMP-activated protein kinase-independent and ULK1-mediated autophagy. *Molecular metabolism*, 78, 101806.

Fenton SE, et al. (2023) Targeting ULK1 Decreases IFN γ -Mediated Resistance to Immune Checkpoint Inhibitors. *Molecular cancer research : MCR*, 21(4), 332.

Backe SJ, et al. (2023) Activation of autophagy depends on Atg1/Ulk1-mediated phosphorylation and inhibition of the Hsp90 chaperone machinery. *Cell reports*, 42(7), 112807.

Saleiro D, et al. (2022) Discovery of a signaling feedback circuit that defines interferon responses in myeloproliferative neoplasms. *Nature communications*, 13(1), 1750.

König P, et al. (2021) The Autophagy-Initiating Protein Kinase ULK1 Phosphorylates Human Cytomegalovirus Tegument Protein pp28 and Regulates Efficient Virus Release. *Journal of virology*, 95(6).

Thayer JA, et al. (2020) The PARK10 gene USP24 is a negative regulator of autophagy and ULK1 protein stability. *Autophagy*, 16(1), 140.

Izumi H, et al. (2019) Recycling endosomal CD133 functions as an inhibitor of autophagy at the pericentrosomal region. *Scientific reports*, 9(1), 2236.

Kinsey CG, et al. (2019) Protective autophagy elicited by RAF $\rightarrow$ MEK $\rightarrow$ ERK inhibition suggests a treatment strategy for RAS-driven cancers. *Nature medicine*, 25(4), 620.

Slobodnyuk K, et al. (2019) Autophagy-induced senescence is regulated by p38 γ signaling. *Cell death & disease*, 10(6), 376.

Colecchia D, et al. (2018) MAPK15 is part of the ULK complex and controls its activity to regulate early phases of the autophagic process. *The Journal of biological chemistry*, 293(41), 15962.

Pengo N, et al. (2017) A reversible phospho-switch mediated by ULK1 regulates the activity of autophagy protease ATG4B. *Nature communications*, 8(1), 294.

Zhang L, et al. (2017) Discovery of a small molecule targeting ULK1-modulated cell death of triple negative breast cancer in vitro and in vivo. *Chemical science*, 8(4), 2687.

Farah BL, et al. (2016) Induction of autophagy improves hepatic lipid metabolism in glucose-6-phosphatase deficiency. *Journal of hepatology*, 64(2), 370.

Mukhopadhyay S, et al. (2015) Autophagy protein Ulk1 promotes mitochondrial apoptosis through reactive oxygen species. *Free radical biology & medicine*, 89, 311.

Yahiro K, et al. (2014) DAP1, a negative regulator of autophagy, controls SubAB-mediated apoptosis and autophagy. *Infection and immunity*, 82(11), 4899.

Xing J, et al. (2014) Upregulation of Unc-51-like kinase 1 by nitric oxide stabilizes SIRT1, independent of autophagy. PloS one, 9(12), e116165.