

Resource Summary Report

Generated by [RRID](#) on Sep 1, 2026

YFP-Parkin

RRID:Addgene_23955

Type: Plasmid

Proper Citation

RRID:Addgene_23955

Plasmid Information

URL: <http://www.addgene.org/23955>

Proper Citation: RRID:Addgene_23955

Insert Name: Park2

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:19029340](#)

Vector Backbone Description: Backbone Size:4700; Vector Backbone:eYFP-C1 (clontech); Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: first ATG is deleted

Plasmid Name: YFP-Parkin

Record Creation Time: 20220422T222107+0000

Record Last Update: 20260829T080229+0000

Ratings and Alerts

No rating or validation information has been found for YFP-Parkin.

No alerts have been found for YFP-Parkin.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 51 mentions in open access literature.

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

Howden JH, et al. (2025) Hexokinase 2 interacts with PINK1 to facilitate mitophagy in astrocytes and restrain inflammation-induced neurotoxicity. *Cell reports*, 44(6), 115809.

Ham SJ, et al. (2025) Mitochondrial fumarate inhibits Parkin-mediated mitophagy. *Molecular cell*, 85(12), 2287.

Narendradev ND, et al. (2025) Endosomal RFFL ubiquitin ligase regulates mitochondrial morphology by targeting mitofusin 2. *Journal of cell science*, 138(12).

Akayama S, et al. (2025) ATG conjugation-dependent/independent mechanisms underlie lysosomal stress-induced TFEB regulation. *The Journal of cell biology*, 224(10).

Pasqualotto BA, et al. (2024) Impaired mitochondrial morphological plasticity and failure of mitophagy associated with the G11778A mutation of LHON. *Biochemical and biophysical research communications*, 721, 150119.

Saha B, et al. (2024) TBK1 is ubiquitinated by TRIM5? to assemble mitophagy machinery. *Cell reports*, 43(6), 114294.

Schollmeier A, et al. (2024) The impact of HBx protein on mitochondrial dynamics and associated signaling pathways strongly depends on the hepatitis B virus genotype. *Journal of virology*, 98(5), e0042424.

Jeong DJ, et al. (2024) The Mst1/2-BNIP3 axis is required for mitophagy induction and neuronal viability under mitochondrial stress. *Experimental & molecular medicine*, 56(3), 674.

Hees JT, et al. (2024) Insulin signalling regulates Pink1 mRNA localization via modulation of AMPK activity to support PINK1 function in neurons. *Nature metabolism*, 6(3), 514.

Covill-Cooke C, et al. (2024) Shared structural features of Miro binding control mitochondrial homeostasis. *The EMBO journal*, 43(4), 595.

Harding O, et al. (2023) Damaged mitochondria recruit the effector NEMO to activate NF- κ B signaling. *Molecular cell*, 83(17), 3188.

Imberechts D, et al. (2022) DJ-1 is an essential downstream mediator in PINK1/parkin-dependent mitophagy. *Brain : a journal of neurology*, 145(12), 4368.

Harbauer AB, et al. (2022) Neuronal mitochondria transport Pink1 mRNA via synaptojanin 2 to support local mitophagy. *Neuron*, 110(9), 1516.

Ravindran R, et al. (2022) Endosomal-associated RFFL facilitates mitochondrial clearance by enhancing PRKN/parkin recruitment to mitochondria. *Autophagy*, 18(12), 2851.

Oe Y, et al. (2022) PACSIN1 is indispensable for amphisome-lysosome fusion during basal autophagy and subsets of selective autophagy. *PLoS genetics*, 18(6), e1010264.

Danese A, et al. (2022) Pathological mitophagy disrupts mitochondrial homeostasis in Leber's hereditary optic neuropathy. *Cell reports*, 40(3), 111124.

Ke PY, et al. (2022) Baicalein Activates Parkin-Dependent Mitophagy through NDP52 and OPTN. *Cells*, 11(7).

Kocaturk NM, et al. (2022) Novel protein complexes containing autophagy and UPS components regulate proteasome-dependent PARK2 recruitment onto mitochondria and PARK2-PARK6 activity during mitophagy. *Cell death & disease*, 13(11), 947.

Saha B, et al. (2022) Interactomic analysis reveals a homeostatic role for the HIV restriction factor TRIM5 α in mitophagy. *Cell reports*, 39(6), 110797.

Uesugi R, et al. (2021) Labeling and measuring stressed mitochondria using a PINK1-based ratiometric fluorescent sensor. *The Journal of biological chemistry*, 297(5), 101279.