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.

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

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

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

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

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.

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.

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

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.

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.

Harding O, et al. (2023) Damaged mitochondria recruit the effector NEMO to activate NF-? 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.

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

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

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.

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.

Saha B, et al. (2022) Interactomic analysis reveals a homeostatic role for the HIV restriction factor TRIM5? 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.