

Resource Summary Report

Generated by [dkNET](#) on Jul 30, 2026

pEGFP-parkin WT

RRID:Addgene_45875

Type: Plasmid

Proper Citation

RRID:Addgene_45875

Plasmid Information

URL: <http://www.addgene.org/45875>

Proper Citation: RRID:Addgene_45875

Insert Name: Parkin

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:23661642](#)

Vector Backbone Description: Backbone Size:4731; Vector Backbone:pEGFP-C2; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pEGFP-parkin WT

Record Creation Time: 20220422T222236+0000

Record Last Update: 20260725T074729+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP-parkin WT.

No alerts have been found for pEGFP-parkin WT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Dafsari HS, et al. (2025) Mutations in the Key Autophagy Tethering Factor EPG5 Link Neurodevelopmental and Neurodegenerative Disorders Including Early-Onset Parkinsonism. *Annals of neurology*, 98(5), 932.

Ahmed RPH, et al. (2025) Induced Mitophagy Promotes Cell Cycle Re-Entry in Adult Cardiomyocytes. *Cells*, 14(12).

Yeon M, et al. (2025) Parkin Induces Ubiquitination and Large Extracellular Vesicle Release of HMGB1 to Activate Antitumor Immunity. *Cancer research*, 85(24), 5033.

Mishra SR, et al. (2024) Anticancer activity of *Bacopa monnieri* through apoptosis induction and mitophagy-dependent NLRP3 inflammasome inhibition in oral squamous cell carcinoma. *Phytomedicine : international journal of phytotherapy and phytopharmacology*, 123, 155157.

Prashar A, et al. (2024) Lysosomes drive the piecemeal removal of mitochondrial inner membrane. *Nature*, 632(8027), 1110.

Tang W, et al. (2023) Parkin regulates neuronal lipid homeostasis through SREBP2-lipoprotein lipase pathway-implications for Parkinson's disease. *Human molecular genetics*, 32(9), 1466.

Panigrahi DP, et al. (2023) The inner mitochondrial membrane fission protein MTP18 serves as a mitophagy receptor to prevent apoptosis in oral cancer. *Journal of cell science*, 136(13).

Peng W, et al. (2023) Parkin regulates amino acid homeostasis at mitochondria-lysosome (M/L) contact sites in Parkinson's disease. *Science advances*, 9(29), eadh3347.

Chandra K, et al. (2023) PHLPP1 regulates PINK1-parkin signalling and life span. *Biochimica et biophysica acta. Molecular basis of disease*, 1869(6), 166718.

Li Y, et al. (2023) PINK1-Mediated Mitophagy Promotes Oxidative Phosphorylation and Redox Homeostasis to Induce Drug-Tolerant Persister Cancer Cells. *Cancer research*, 83(3), 398.

Kapadia BB, et al. (2022) PARK2 regulates eIF4B-driven lymphomagenesis. *Molecular cancer research : MCR*, 20(5), 735.

Sauvé V, et al. (2022) Structural basis for feedforward control in the PINK1/Parkin pathway. *The EMBO journal*, 41(12), e109460.

Shlevkov E, et al. (2022) Discovery of small-molecule positive allosteric modulators of Parkin E3 ligase. *iScience*, 25(1), 103650.

Pernaute B, et al. (2022) DRP1 levels determine the apoptotic threshold during embryonic differentiation through a mitophagy-dependent mechanism. *Developmental cell*, 57(11), 1316.

Ma KY, et al. (2021) Systematic analysis of PINK1 variants of unknown significance shows intact mitophagy function for most variants. NPJ Parkinson's disease, 7(1), 113.

Rouland L, et al. (2021) Therapeutic potential of parkin as a tumor suppressor via transcriptional control of cyclins in glioblastoma cell and animal models. Theranostics, 11(20), 10047.

Kara E, et al. (2021) An integrated genomic approach to dissect the genetic landscape regulating the cell-to-cell transfer of α -synuclein. Cell reports, 35(10), 109189.

Ma KY, et al. (2021) Parkinson's disease-associated VPS35 mutant reduces mitochondrial membrane potential and impairs PINK1/Parkin-mediated mitophagy. Translational neurodegeneration, 10(1), 19.

Roverato ND, et al. (2021) Parkin is an E3 ligase for the ubiquitin-like modifier FAT10, which inhibits Parkin activation and mitophagy. Cell reports, 34(11), 108857.

Chen H, et al. (2020) PARK2 promotes mitochondrial pathway of apoptosis and antimicrotubule drugs chemosensitivity via degradation of phospho-BCL-2. Theranostics, 10(22), 9984.