

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

YFP-Parkin C431N

RRID:Addgene_46924

Type: Plasmid

Proper Citation

RRID:Addgene_46924

Plasmid Information

URL: <http://www.addgene.org/46924>

Proper Citation: RRID:Addgene_46924

Insert Name: Park2

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:23319602](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4698; Vector Backbone:pEYFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: YFP-Parkin C431N

Relevant Mutation: changed cysteine 431 to asparagine

Record Creation Time: 20220422T222242+0000

Record Last Update: 20260815T081536+0000

Ratings and Alerts

No rating or validation information has been found for YFP-Parkin C431N.

No alerts have been found for YFP-Parkin C431N.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Ansari MY, et al. (2018) Parkin clearance of dysfunctional mitochondria regulates ROS levels and increases survival of human chondrocytes. Osteoarthritis and cartilage, 26(8), 1087.

Brennan L, et al. (2017) Parkin elimination of mitochondria is important for maintenance of lens epithelial cell ROS levels and survival upon oxidative stress exposure. Biochimica et biophysica acta. Molecular basis of disease, 1863(1), 21.