

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

pRluc-LC3G120A

RRID:Addgene_105003

Type: Plasmid

Proper Citation

RRID:Addgene_105003

Plasmid Information

URL: <http://www.addgene.org/105003>

Proper Citation: RRID:Addgene_105003

Insert Name: LC3B

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:28237095](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4000; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression, Luciferase; Bacterial Resistance:Kanamycin

Plasmid Name: pRluc-LC3G120A

Relevant Mutation: Glycine 120 mutated to alanine, prevents lipidation of the protein and thereby its binding to autophagosomal membranes

Record Creation Time: 20220422T221509+0000

Record Last Update: 20260725T073412+0000

Ratings and Alerts

No rating or validation information has been found for pRluc-LC3G120A.

No alerts have been found for pRluc-LC3G120A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Zhang X, et al. (2025) Atractylenolide III Mitigates Alzheimer's Disease by Enhancing Autophagy via the YY1-TFEB Pathway. *Phytotherapy research* : PTR.

Gao G, et al. (2025) Cycloastragenol Regulates Mitochondrial Homeostasis-Mediated Renal Tubular Injury to Ameliorate Diabetic Kidney Disease by Directly Targeting ERK to Modulate TFEB. *Phytotherapy research* : PTR.

Xie Z, et al. (2025) Germacrone Ameliorates Diabetic Kidney Disease by Activating TFEB to Promote Autophagy and Inhibit Inflammation. *ACS omega*, 10(46), 55252.