

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

pHAGE-mt-mKeima

RRID:Addgene_131626

Type: Plasmid

Proper Citation

RRID:Addgene_131626

Plasmid Information

URL: <http://www.addgene.org/131626>

Proper Citation: RRID:Addgene_131626

Insert Name: mt-mKeima

Organism: stony coral Montipora

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30853401](#)

Vector Backbone Description: Backbone Size:6436; Vector Backbone:pHAGE; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Plasmid Name: pHAGE-mt-mKeima

Record Creation Time: 20220422T221730+0000

Record Last Update: 20260725T073818+0000

Ratings and Alerts

No rating or validation information has been found for pHAGE-mt-mKeima.

No alerts have been found for pHAGE-mt-mKeima.

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 [NIF](#) .

Thayer JA, et al. (2026) A unified mechanism for mitochondrial damage sensing in PINK1-Parkin-mediated mitophagy. *The EMBO journal*, 45(1), 64.

Punzi S, et al. (2025) Early tolerance and late persistence as alternative drug responses in cancer. *Nature communications*, 16(1), 1291.

Das AS, et al. (2025) AIMP3 maintains cardiac homeostasis by regulating the editing activity of methionyl-tRNA synthetase. *Nature cardiovascular research*, 4(7), 876.

Mohanty S, et al. (2025) HTLV-1 Tax induces PINK1-Parkin-dependent mitophagy to mitigate activation of the cGAS-STING pathway. *bioRxiv : the preprint server for biology*.

Hwang SY, et al. (2025) Leveraging BRG1 Driven Ferroptosis Resistance to Overcome Treatment Resistance. *bioRxiv : the preprint server for biology*.

Huang C, et al. (2025) PABPC1 SUMOylation enhances cell survival by promoting mitophagy through stabilizing U-rich mRNAs within stress granules. *Nature communications*, 16(1), 7308.

Tau S, et al. (2025) Endocrine therapy induces oxidative stress in ER+ breast cancer that sensitizes persister cells to ferroptosis. *bioRxiv : the preprint server for biology*.

Ali M, et al. (2025) ANKZF1 helps to eliminate stress-damaged mitochondria by LC3-mediated mitophagy. *Cell death discovery*, 11(1), 349.

Ley-Ngardigal S, et al. (2025) Repression of oxidative phosphorylation by NR2F2, MTERF3 and GDF15 in human skin under high-glucose stress. *Redox biology*, 82, 103613.

Shaikh K, et al. (2025) ZFAND6 promotes TRAF2-dependent mitophagy to restrain cGAS-STING signaling. *iScience*, 28(1), 111544.

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.

Delgado JM, et al. (2024) The ER membrane protein complex restricts mitophagy by controlling BNIP3 turnover. *The EMBO journal*, 43(1), 32.

Chandra S, et al. (2024) Mitochondrial Calcium Transport During Autophagy Initiation. *Mitochondrial communications*, 2, 14.

Sheridan M, et al. (2024) Opportunistic pathogen *Porphyromonas gingivalis* targets the LC3B-ceramide complex and mediates lethal mitophagy resistance in oral tumors. *iScience*, 27(6), 109860.

Chen CW, et al. (2024) NME3 is a gatekeeper for DRP1-dependent mitophagy in hypoxia. *Nature communications*, 15(1), 2264.

Hsu WJ, et al. (2024) Arginine Methylation of DDX3 by PRMT1 Mediates Mitochondrial Homeostasis to Promote Breast Cancer Metastasis. *Cancer research*, 84(18), 3023.

Russo T, et al. (2024) The SATB1-MIR22-GBA axis mediates glucocerebroside accumulation inducing a cellular senescence-like phenotype in dopaminergic neurons. *Aging cell*, 23(4), e14077.

Choudhury D, et al. (2024) Proline restores mitochondrial function and reverses aging hallmarks in senescent cells. *Cell reports*, 43(2), 113738.

T??bara LC, et al. (2024) MTFP1 controls mitochondrial fusion to regulate inner membrane quality control and maintain mtDNA levels. *Cell*, 187(14), 3619.

De Leonibus C, et al. (2024) Sestrin2 drives ER-phagy in response to protein misfolding. *Developmental cell*, 59(16), 2035.