

Resource Summary Report

Generated by [NIF](#) on Aug 30, 2026

pMito-iRFP670

RRID:Addgene_45462

Type: Plasmid

Proper Citation

RRID:Addgene_45462

Plasmid Information

URL: <http://www.addgene.org/45462>

Proper Citation: RRID:Addgene_45462

Insert Name: iRFP670

Organism: Rhodopseudomonas palustris

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:23770755](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4038; Vector Backbone:pN1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pMito-iRFP670

Relevant Mutation: T2A, S45T, V116I, D124E, M170L, K180M, D202L, I203V, I219V, R233H, V251I, V254C, Y258F, A283I, F307L relative to RpBphP6

Record Creation Time: 20220422T222235+0000

Record Last Update: 20260829T080552+0000

Ratings and Alerts

No rating or validation information has been found for pMito-iRFP670.

No alerts have been found for pMito-iRFP670.

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 [NIF](#) .

Cao K, et al. (2022) Mitochondrial dynamics regulate genome stability via control of caspase-dependent DNA damage. *Developmental cell*, 57(10), 1211.

Tymanskyj SR, et al. (2018) MAP7 regulates axon morphogenesis by recruiting kinesin-1 to microtubules and modulating organelle transport. *eLife*, 7.