

Resource Summary Report

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

cyto-Ruby3-iATPSnFR1.0

RRID:Addgene_102551

Type: Plasmid

Proper Citation

RRID:Addgene_102551

Plasmid Information

URL: <http://www.addgene.org/102551>

Proper Citation: RRID:Addgene_102551

Insert Name: Ruby3-iATPSnFR1.0

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30755613](#)

Vector Backbone Description: Vector Backbone:pdisplay modified; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: cyto-Ruby3-iATPSnFR1.0

Record Creation Time: 20220422T221456+0000

Record Last Update: 20260725T073349+0000

Ratings and Alerts

No rating or validation information has been found for cyto-Ruby3-iATPSnFR1.0.

No alerts have been found for cyto-Ruby3-iATPSnFR1.0.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Endoni BT, et al. (2025) MIRO1 Is Required for Dynamic Increases in Mitochondria-ER Contact Sites and Mitochondrial ATP During the Cell Cycle. *Cells*, 14(7).

Zhan H, et al. (2025) Self-organizing glycolytic waves tune cellular metabolic states and fuel cancer progression. *Nature communications*, 16(1), 5563.

Zhan H, et al. (2024) Self-organizing glycolytic waves fuel cell migration and cancer progression. *bioRxiv* : the preprint server for biology.

Holland SM, et al. (2023) Actin cytoskeletal dynamics do not impose an energy drain on growth cone bioenergetics. *Journal of cell science*, 136(16).

Cangkrama M, et al. (2022) A Protumorigenic mDia2-MIRO1 Axis Controls Mitochondrial Positioning and Function in Cancer-Associated Fibroblasts. *Cancer research*, 82(20), 3701.