

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

DsRed2-Mito-7

RRID:Addgene_55838

Type: Plasmid

Proper Citation

RRID:Addgene_55838

Plasmid Information

URL: <http://www.addgene.org/55838>

Proper Citation: RRID:Addgene_55838

Insert Name: Mito

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:4750; Vector Backbone:DsRed2; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 558; Emission = 583

Plasmid Name: DsRed2-Mito-7

Record Creation Time: 20220422T222326+0000

Record Last Update: 20260815T081653+0000

Ratings and Alerts

No rating or validation information has been found for DsRed2-Mito-7.

No alerts have been found for DsRed2-Mito-7.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 34 mentions in open access literature.

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

Ayupov T, et al. (2026) Cell-type-targeted mitochondrial transplantation rescues cell degeneration. *Nature*, 653(8113), 221.

Hole KL, et al. (2026) MitoTracker transfers from astrocytes to neurons independently of mitochondria. *Cell reports methods*, 6(3), 101338.

Wong SQ, et al. (2026) Chemotherapy-induced activation of caspase-1 and IL-1 β release by cancer cells remotely skews myelopoiesis to drive pro tumorigenic systemic neutrophil-dominant inflammation. *Nature communications*, 17(1).

Salazar MPR, et al. (2025) Mitochondrial fission controls astrocyte morphogenesis and organization in the cortex. *bioRxiv : the preprint server for biology*.

Rodriguez Salazar MP, et al. (2025) Mitochondrial fission controls astrocyte morphogenesis and organization in the cortex. *The Journal of cell biology*, 224(10).

Howden JH, et al. (2025) Hexokinase 2 interacts with PINK1 to facilitate mitophagy in astrocytes and restrain inflammation-induced neurotoxicity. *Cell reports*, 44(6), 115809.

Gunasekara H, et al. (2025) Unveiling cellular communications through rapid pan-membrane-protein labeling. *Nature communications*, 16(1), 3584.

Lebas M, et al. (2024) Integrated single-cell RNA-seq analysis reveals mitochondrial calcium signaling as a modulator of endothelial-to-mesenchymal transition. *Science advances*, 10(32), eadp6182.

Sciarretta F, et al. (2024) Lipid-associated macrophages reshape BAT cell identity in obesity. *Cell reports*, 43(7), 114447.

Müller M, et al. (2023) ORF3c is expressed in SARS-CoV-2-infected cells and inhibits innate sensing by targeting MAVS. *EMBO reports*, 24(12), e57137.

Bodenstein DF, et al. (2023) Optimization of differential filtration-based mitochondrial isolation for mitochondrial transplant to cerebral organoids. *Stem cell research & therapy*, 14(1), 202.

Chang YW, et al. (2023) Spatial and temporal dynamics of ATP synthase from mitochondria toward the cell surface. *Communications biology*, 6(1), 427.

Balazova L, et al. (2022) Mitochondrial transformation occurs in cultured adipocytes, but fails to increase adipose tissue metabolic activity in mice in vivo. *Adipocyte*, 11(1), 463.

Iriondo MN, et al. (2022) LC3 subfamily in cardiolipin-mediated mitophagy: a comparison of the LC3A, LC3B and LC3C homologs. *Autophagy*, 18(12), 2985.

Murtaza N, et al. (2022) Neuron-specific protein network mapping of autism risk genes identifies shared biological mechanisms and disease-relevant pathologies. *Cell reports*, 41(8), 111678.

Basu H, et al. (2021) FHL2 anchors mitochondria to actin and adapts mitochondrial dynamics to glucose supply. *The Journal of cell biology*, 220(10).

Miao Q, et al. (2021) Caprine MAVS Is a RIG-I Interacting Type I Interferon Inducer Downregulated by Peste des Petits Ruminants Virus Infection. *Viruses*, 13(3).

Kato M, et al. (2021) miR-379 deletion ameliorates features of diabetic kidney disease by enhancing adaptive mitophagy via FIS1. *Communications biology*, 4(1), 30.

Miserey-Lenkei S, et al. (2021) A comprehensive library of fluorescent constructs of SARS-CoV-2 proteins and their initial characterisation in different cell types. *Biology of the cell*, 113(7), 311.

Xue Y, et al. (2021) AAV-Txnip prolongs cone survival and vision in mouse models of retinitis pigmentosa. *eLife*, 10.