Resource Summary Report

Generated by NIF on Aug 31, 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: 20260829T080724+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 NIF .

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? 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.

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).

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

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.

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

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.