Resource Summary Report

Generated by NIF on Aug 21, 2026

mApple-TOMM20-N-10

RRID:Addgene_54955
Type: Plasmid

Proper Citation

RRID:Addgene_54955

Plasmid Information

URL: http://www.addgene.org/54955

Proper Citation: RRID:Addgene_54955

Insert Name: TOMM20

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mApple-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 568; Emission = 592

Plasmid Name: mApple-TOMM20-N-10

Record Creation Time: 20220422T222321+0000

Record Last Update: 20260815T081645+0000

Ratings and Alerts

No rating or validation information has been found for mApple-TOMM20-N-10.

No alerts have been found for mApple-TOMM20-N-10.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Ikari N, et al. (2024) Mieap forms membrane-less organelles involved in cardiolipin metabolism. iScience, 27(2), 108916.

Cantarero L, et al. (2024) Abnormal redox balance at membrane contact sites causes axonopathy in GDAP1-related Charcot-Marie-Tooth disease. Research square.

Schr??der LF, et al. (2024) VPS13C regulates phospho-Rab10-mediated lysosomal function in human dopaminergic neurons. The Journal of cell biology, 223(5).

Peng W, et al. (2023) Parkin regulates amino acid homeostasis at mitochondria-lysosome (M/L) contact sites in Parkinson's disease. Science advances, 9(29), eadh3347.

Perry JA, et al. (2023) Septins throughout phylogeny are predicted to have a transmembrane domain, which in Caenorhabditis elegans is functionally important. bioRxiv : the preprint server for biology.

Belton TB, et al. (2022) Live cell microscopy of mitochondria-lysosome contact site formation and tethering dynamics. STAR protocols, 3(2), 101262.

Xie B, et al. (2022) The endoplasmic reticulum-plasma membrane tethering protein TMEM24 is a regulator of cellular Ca2+ homeostasis. Journal of cell science, 135(5).

Wong YC, et al. (2022) Mid51/Fis1 mitochondrial oligomerization complex drives lysosomal untethering and network dynamics. The Journal of cell biology, 221(10).

Kim S, et al. (2021) Dysregulation of mitochondria-lysosome contacts by GBA1 dysfunction in dopaminergic neuronal models of Parkinson's disease. Nature communications, 12(1), 1807.

Boutry M, et al. (2021) ORP1L mediated PI(4)P signaling at ER-lysosome-mitochondrion three-way contact contributes to mitochondrial division. Nature communications, 12(1), 5354.

Charif M, et al. (2021) Dominant mutations in MIEF1 affect mitochondrial dynamics and cause a singular late onset optic neuropathy. Molecular neurodegeneration, 16(1), 12.

Wong YC, et al. (2019) Lysosomal Regulation of Inter-mitochondrial Contact Fate and Motility in Charcot-Marie-Tooth Type 2. Developmental cell, 50(3), 339.

Griesche N, et al. (2019) Cortical mitochondria regulate insulin secretion by local Ca2+ buffering in rodent beta cells. Journal of cell science, 132(9).

Wong YC, et al. (2018) Mitochondria-lysosome contacts regulate mitochondrial fission via RAB7 GTP hydrolysis. Nature, 554(7692), 382.

Wu Y, et al. (2017) Reflective imaging improves spatiotemporal resolution and collection efficiency in light sheet microscopy. Nature communications, 8(1), 1452.