

Resource Summary Report

Generated by [kravitz2](#) on Aug 14, 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: 20260808T081835+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 [kravitz2](#) .

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

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

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

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.