

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

[mTFP1-N1](#)

RRID:Addgene_54521

Type: Plasmid

Proper Citation

RRID:Addgene_54521

Plasmid Information

URL: <http://www.addgene.org/54521>

Proper Citation: RRID:Addgene_54521

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:18325109](#)

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mTFP1-N1;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 462; Emission = 492

Plasmid Name: mTFP1-N1

Record Creation Time: 20220422T222319+0000

Record Last Update: 20260815T081641+0000

Ratings and Alerts

No rating or validation information has been found for mTFP1-N1.

No alerts have been found for mTFP1-N1.

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 [RRID](#) .

Guo X, et al. (2025) A phosphoinositide switch from PI(4,5)P₂ to PI4P triggers endocytosis by inducing dynamin-mediated fission in secretory cells. *Science advances*, 11(42), eady8065.

Wei L, et al. (2024) Clathrin mediates membrane fission and budding by constricting membrane pores. *Cell discovery*, 10(1), 62.

McCray BA, et al. (2021) Neuropathy-causing TRPV4 mutations disrupt TRPV4-RhoA interactions and impair neurite extension. *Nature communications*, 12(1), 1444.

Wood NE, et al. (2020) Nutrient Signaling, Stress Response, and Inter-organelle Communication Are Non-canonical Determinants of Cell Fate. *Cell reports*, 33(9), 108446.

Moser BA, et al. (2017) A Photoactivatable Innate Immune Receptor for Optogenetic Inflammation. *ACS chemical biology*, 12(2), 347.