

Resource Summary Report

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

tdTomato-C1

RRID:Addgene_54653

Type: Plasmid

Proper Citation

RRID:Addgene_54653

Plasmid Information

URL: <http://www.addgene.org/54653>

Proper Citation: RRID:Addgene_54653

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:4750; Vector Backbone:tdTomato-C1;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 554; Emission = 581

Plasmid Name: tdTomato-C1

Record Creation Time: 20220422T222320+0000

Record Last Update: 20260815T081642+0000

Ratings and Alerts

No rating or validation information has been found for tdTomato-C1.

No alerts have been found for tdTomato-C1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Ogawa M, et al. (2026) FGF21 suppresses hepatocellular carcinoma by driving competitive cell-cell interactions. *Cell reports*, 45(6), 117410.

Hiramoto M, et al. (2026) GAK antagonises ROCK-dependent regulation of actomyosin dynamics. *Journal of cell science*, 139(7).

Escalona-Rodriguez FA, et al. (2025) Development of a StIW111C-based bioresponsive pore-forming conjugate for permeabilizing the endosomal membrane. *International journal of biological macromolecules*, 297, 139819.

Mitchell SJ, et al. (2025) Micro-sub regional synapse weakening by mimicking the hyperphosphorylation of microtubule associated protein Tau in dendritic spines. *Brain communications*, 7(3), fcaf234.

Ellis MJ, et al. (2024) Identification of high-performing antibodies for the reliable detection of Tau proteoforms by Western blotting and immunohistochemistry. *Acta neuropathologica*, 147(1), 87.

Benwell CJ, et al. (2024) A proteomics approach to isolating neuropilin-dependent $\alpha 5$ integrin trafficking pathways: neuropilin 1 and 2 co-traffic $\alpha 5$ integrin through endosomal p120RasGAP to promote polarised fibronectin fibrillogenesis in endothelial cells. *Communications biology*, 7(1), 629.

Birnbaum R, et al. (2023) mRNA Localization and Local Translation of the Microtubule Severing Enzyme, Fidgetin-Like 2, in Polarization, Migration and Outgrowth. *bioRxiv* : the preprint server for biology.

Kim SC, et al. (2023) Mimicking hypomethylation of FUS requires liquid-liquid phase separation to induce synaptic dysfunctions. *Acta neuropathologica communications*, 11(1), 199.

Lantz BJ, et al. (2023) Chronic hypoxia disrupts T regulatory cell phenotype contributing to the emergence of exTreg-TH17 cells. *Frontiers in physiology*, 14, 1304732.

Lin B, et al. (2022) An AMPK phosphoregulated RhoGEF feedback loop tunes cortical flow-driven amoeboid migration in vivo. *Science advances*, 8(37), eabo0323.

Katsuta E, et al. (2022) Mechano-Sensing Channel PIEZO2 Enhances Invasive Phenotype in Triple-Negative Breast Cancer. *International journal of molecular sciences*, 23(17).

Ishibashi R, et al. (2022) Development of an in vivo cleavable donor plasmid for targeted transgene integration by CRISPR-Cas9 and CRISPR-Cas12a. *Scientific reports*, 12(1), 17775.

Rossini M, et al. (2021) Loosening ER-Mitochondria Coupling by the Expression of the Presenilin 2 Loop Domain. *Cells*, 10(8).

Sandoval M, et al. (2021) Interplay of opposing fate choices stalls oncogenic growth in murine skin epithelium. *eLife*, 10.

Wendel JRH, et al. (2020) Three-Dimensional Biofabrication Models of Endometriosis and the Endometriotic Microenvironment. *Biomedicines*, 8(11).

Lin B, et al. (2020) Collectively stabilizing and orienting posterior migratory forces disperses cell clusters in vivo. *Nature communications*, 11(1), 4477.

Zhao J, et al. (2020) Specific depletion of the motor protein KIF5B leads to deficits in dendritic transport, synaptic plasticity and memory. *eLife*, 9.

Rossi A, et al. (2020) Defective Mitochondrial Pyruvate Flux Affects Cell Bioenergetics in Alzheimer's Disease-Related Models. *Cell reports*, 30(7), 2332.

Barger SR, et al. (2019) Membrane-cytoskeletal crosstalk mediated by myosin-I regulates adhesion turnover during phagocytosis. *Nature communications*, 10(1), 1249.

Kong D, et al. (2019) In vivo optochemical control of cell contractility at single-cell resolution. *EMBO reports*, 20(12), e47755.