

Resource Summary Report

Generated by [kravitz2](#) on Aug 5, 2026

pCSCMV:tdTomato

RRID:Addgene_30530

Type: Plasmid

Proper Citation

RRID:Addgene_30530

Plasmid Information

URL: <http://www.addgene.org/30530>

Proper Citation: RRID:Addgene_30530

Insert Name: tdTomato

Organism: synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19549299](#)

Vector Backbone Description: Backbone Size:4100; Vector Backbone:pCSGFP2; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note that there are some discrepancies between Addgene's quality control sequence and the assembled sequence from the depositor, including a H415R mutation in the downstream dimer component of tdTomato. This mutation may impact tdTomato expression.

Plasmid Name: pCSCMV:tdTomato

Relevant Mutation: R415H

Record Creation Time: 20220422T222134+0000

Record Last Update: 20260801T081125+0000

Ratings and Alerts

No rating or validation information has been found for pCSCMV:tdTomato.

No alerts have been found for pCSCMV:tdTomato.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 41 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Banday S, et al. (2025) The O-glycosyltransferase C1GALT1 promotes EWSR1::FLI1 expression and is a therapeutic target for Ewing sarcoma. *Nature communications*, 16(1), 1267.

Strauss A, et al. (2024) Structural basis of positive allosteric modulation of metabotropic glutamate receptor activation and internalization. *Nature communications*, 15(1), 6498.

Han S, et al. (2024) HIF-1 α participates in the regulation of S100A16-HRD1-GSK3 β /CK1 γ pathway in renal hypoxia injury. *Cell death & disease*, 15(5), 316.

Ishimoto T, et al. (2024) TrkB phosphorylation in serum extracellular vesicles correlates with cognitive function enhanced by ergothioneine in humans. *NPJ science of food*, 8(1), 11.

Sun W, et al. (2023) Transgenic RFP-RPS-30Ubl strain of the nematode *Caenorhabditis elegans* as a biomonitor for environmental pollutants. *Environmental toxicology*, 38(4), 770.

Hilton BJ, et al. (2022) An active vesicle priming machinery suppresses axon regeneration upon adult CNS injury. *Neuron*, 110(1), 51.

Budzak J, et al. (2022) An assembly of nuclear bodies associates with the active VSG expression site in African trypanosomes. *Nature communications*, 13(1), 101.

Zernov N, et al. (2022) New Positive TRPC6 Modulator Penetrates Blood-Brain Barrier, Eliminates Synaptic Deficiency and Restores Memory Deficit in 5xFAD Mice. *International journal of molecular sciences*, 23(21).

Südfeld C, et al. (2022) The nucleolus as a genomic safe harbor for strong gene expression in *Nannochloropsis oceanica*. *Molecular plant*, 15(2), 340.

Zernov N, et al. (2022) Piperazine Derivative Stabilizes Actin Filaments in Primary Fibroblasts and Binds G-Actin In Silico. *Current issues in molecular biology*, 44(11), 5191.

Zernov N, et al. (2022) CaMKII α knockdown decreases store-operated calcium entry in hippocampal dendritic spines. *IBRO neuroscience reports*, 12, 90.

Nikou S, et al. (2022) Ras suppressor-1 (RSU1) exerts a tumor suppressive role with prognostic significance in lung adenocarcinoma. *Clinical and experimental medicine*.

Sugden CJ, et al. (2022) Laminin N-terminus α 31 expression during development is lethal and causes widespread tissue-specific defects in a transgenic mouse model. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 36(7), e22318.

Wei R, et al. (2021) A Gene Expression Signature to Predict Nucleotide Excision Repair Defects and Novel Therapeutic Approaches. *International journal of molecular sciences*, 22(9).

Chadla P, et al. (2021) Integrin-Linked-Kinase Overexpression Is Implicated in Mechanisms of Genomic Instability in Human Colorectal Cancer. *Digestive diseases and sciences*, 66(5), 1510.

Limoni G, et al. (2021) PlexinA4-Semaphorin3A-mediated crosstalk between main cortical interneuron classes is required for superficial interneuron lamination. *Cell reports*, 34(4), 108644.

Kohama Y, et al. (2020) Adeno-associated virus-mediated gene delivery promotes S-phase entry-independent precise targeted integration in cardiomyocytes. *Scientific reports*, 10(1), 15348.

Kumari M, et al. (2020) Oligochitosan modified albumin as plasmid DNA delivery vector: Endocytic trafficking, polyplex fate, in vivo compatibility. *International journal of biological macromolecules*, 142, 492.

Lee YW, et al. (2020) Direct Cytosolic Delivery of Proteins through Coengineering of Proteins and Polymeric Delivery Vehicles. *Journal of the American Chemical Society*, 142(9), 4349.

Kavazovi I, et al. (2020) Eomes broadens the scope of CD8 T-cell memory by inhibiting apoptosis in cells of low affinity. *PLoS biology*, 18(3), e3000648.