

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](http://FDI Lab - SciCrunch.org) on Apr 11, 2025

## pCSCMV:tdTomato

RRID:Addgene\_30530

Type: Plasmid

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### Proper Citation

RRID:Addgene\_30530

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### Plasmid Information

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

**Proper Citation:** RRID:Addgene\_30530

**Insert Name:** tdTomato

**Organism:** Other

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:19549299](https://pubmed.ncbi.nlm.nih.gov/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:** 20220422T223806+0000

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### Ratings and Alerts

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

No alerts have been found for pCSCMV:tdTomato.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We found 11 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

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 $\alpha$  participates in the regulation of S100A16-HRD1-GSK3 $\beta$ /CK1 $\gamma$  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.

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  $\alpha$ 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.

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

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.

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.

Nikou S, et al. (2020) Integrin-linked kinase (ILK) regulates KRAS, IPP complex and Ras suppressor-1 (RSU1) promoting lung adenocarcinoma progression and poor survival. *Journal of molecular histology*, 51(4), 385.

Bressan C, et al. (2020) The dynamic interplay between ATP/ADP levels and autophagy

sustain neuronal migration in vivo. *eLife*, 9.

Gutzeit VA, et al. (2019) Conformational dynamics between transmembrane domains and allosteric modulation of a metabotropic glutamate receptor. *eLife*, 8.