

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

[CMV-tdTomato-P2A-paCaMKII\(K42M\)](#)

RRID:Addgene_165433

Type: Plasmid

Proper Citation

RRID:Addgene_165433

Plasmid Information

URL: <http://www.addgene.org/165433>

Proper Citation: RRID:Addgene_165433

Insert Name: tdTomato-P2A-paCaMKII(K42M)

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:33531495](#)

Vector Backbone Description: Vector Backbone:Customized Vector; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: CMV-tdTomato-P2A-paCaMKII(K42M)

Relevant Mutation: K42M: Kinase dead mutation

Record Creation Time: 20220422T221933+0000

Record Last Update: 20260815T080928+0000

Ratings and Alerts

No rating or validation information has been found for CMV-tdTomato-P2A-paCaMKII(K42M).

No alerts have been found for CMV-tdTomato-P2A-paCaMKII(K42M).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Martínez-Blanco E, et al. (2025) CaMK2rep: A Highly Sensitive Genetically Encoded Biosensor for Monitoring CaMKII Activity in Mammalian Cells. *Analytical chemistry*, 97(37), 20275.