

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 1, 2026

pKanCMV-mRuby3-18aa-Tubulin

RRID:Addgene_74256

Type: Plasmid

Proper Citation

RRID:Addgene_74256

Plasmid Information

URL: <http://www.addgene.org/74256>

Proper Citation: RRID:Addgene_74256

Insert Name: Tubulin

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:26879144](#)

Vector Backbone Description: Backbone Marker:Michael Davidson Lab; Backbone Size:3900; Vector Backbone:pKanCMV; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: The specific substitutions used in the development of mRuby3 relative to its parent mRuby2 are N33R, M36E, T38V, K74A, G75D, M105T, C114E, H118N, Q120K, H159D, M160I, S171H, S173N, I192V, L202I, M209T, F210Y, H216V, F221Y, A222S, G223N.

Plasmid Name: pKanCMV-mRuby3-18aa-Tubulin

Record Creation Time: 20220422T222453+0000

Record Last Update: 20260829T081011+0000

Ratings and Alerts

No rating or validation information has been found for pKanCMV-mRuby3-18aa-Tubulin.

No alerts have been found for pKanCMV-mRuby3-18aa-Tubulin.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Wang Z, et al. (2023) Optimized fluorescent proteins for 4-color and photoconvertible live-cell imaging in *Neurospora crassa*. *Fungal genetics and biology : FG & B*, 164, 103763.

Zahavi EE, et al. (2021) Combined kinesin-1 and kinesin-3 activity drives axonal trafficking of TrkB receptors in Rab6 carriers. *Developmental cell*, 56(4), 494.