Resource Summary Report

Generated by PRECISE-TBI on Sep 2, 2026

pKanCMV-mRuby3-18aa-actin

RRID:Addgene_74255
Type: Plasmid

Proper Citation

RRID:Addgene_74255

Plasmid Information

URL: http://www.addgene.org/74255

Proper Citation: RRID:Addgene_74255

Insert Name: actin

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-actin

Record Creation Time: 20220422T222453+0000

Record Last Update: 20260902T050124+0000

Ratings and Alerts

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

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

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Dumoulin A, et al. (2024) A cell-autonomous role for primary cilium-mediated signaling in long-range commissural axon guidance. Development (Cambridge, England), 151(17).

Cuhadar U, et al. (2024) Activity-driven synaptic translocation of LGI1 controls excitatory neurotransmission. Cell reports, 43(5), 114186.

Farrell RJ, et al. (2024) A ratiometric ER calcium sensor for quantitative comparisons across cell types and subcellular regions. bioRxiv : the preprint server for biology.

Cook DC, et al. (2023) GABABR silencing of nerve terminals. eLife, 12.

Lankford C, et al. (2022) Identification of HCN1 as a 14-3-3 client. PloS one, 17(6), e0268335.

Zhong H, et al. (2021) High-fidelity, efficient, and reversible labeling of endogenous proteins using CRISPR-based designer exon insertion. eLife, 10.