

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 2, 2026

pKanCMV-mRuby3-10aa-H2B

RRID:Addgene_74258

Type: Plasmid

Proper Citation

RRID:Addgene_74258

Plasmid Information

URL: <http://www.addgene.org/74258>

Proper Citation: RRID:Addgene_74258

Insert Name: H2B

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-mRuby3-10aa-H2B

Record Creation Time: 20220422T222453+0000

Record Last Update: 20260902T050124+0000

Ratings and Alerts

No rating or validation information has been found for pKanCMV-mRuby3-10aa-H2B.

No alerts have been found for pKanCMV-mRuby3-10aa-H2B.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Duguay BA, et al. (2025) A yeast-based reverse genetics system to generate HCoV-OC43 reporter viruses encoding an eighth subgenomic RNA. Journal of virology, 99(2), e0167124.

Hadzhiev Y, et al. (2019) A cell cycle-coordinated Polymerase II transcription compartment encompasses gene expression before global genome activation. Nature communications, 10(1), 691.

Lu B, et al. (2019) Delivering SaCas9 mRNA by lentivirus-like bionanoparticles for transient expression and efficient genome editing. Nucleic acids research, 47(8), e44.