Resource Summary Report

Generated by NIF on Sep 11, 2026

pNCS-mRuby3

RRID:Addgene_74234
Type: Plasmid

Proper Citation

RRID:Addgene_74234

Plasmid Information

URL: http://www.addgene.org/74234

Proper Citation: RRID:Addgene_74234

Insert Name: mRuby3

Bacterial Resistance: Ampicillin

Defining Citation: PMID:26879144

Vector Backbone Description: Backbone Size:2916; Vector Backbone:pNCS; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: The specific substitutions used in the development of mRuby3 relative to its parent mRuby2 are N33R, M36E, K74A, G75D, M105T, C114E, H118N, Q120K, H159D, M160I, S171H, S173N, I192V, L202I, M209T, F210Y, H216V, F221Y, A222S, G223N. Note that the mRuby3 insert in this plasmid does not contain T38V, like the canonical mRuby3. See publication and full plasmid sequence for more information.

Plasmid Name: pNCS-mRuby3

Record Creation Time: 20220422T222453+0000

Record Last Update: 20260905T080100+0000

Ratings and Alerts

No rating or validation information has been found for pNCS-mRuby3.

No alerts have been found for pNCS-mRuby3.

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 NIF .

Leiwe MN, et al. (2024) Automated neuronal reconstruction with super-multicolour Tetbow labelling and threshold-based clustering of colour hues. Nature communications, 15(1), 5279.

Wang T, et al. (2023) Spatial transcriptome uncovers rich coordination of metabolism in E. coli K12 biofilm. Nature chemical biology, 19(8), 940.

Decaestecker W, et al. (2019) CRISPR-TSKO: A Technique for Efficient Mutagenesis in Specific Cell Types, Tissues, or Organs in Arabidopsis. The Plant cell, 31(12), 2868.