

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

pEB1-mCerulean3

RRID:Addgene_103973

Type: Plasmid

Proper Citation

RRID:Addgene_103973

Plasmid Information

URL: <http://www.addgene.org/103973>

Proper Citation: RRID:Addgene_103973

Insert Name: mCerulean3

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:29320486](#)

Vector Backbone Description: Backbone Size:3674; Vector Backbone:pEB1; Vector Types:Bacterial Expression, Low copy; Bacterial Resistance:Kanamycin

Comments: This FP derives from wtGFP. In this plasmid, the FP is coded with the original wtGFP nucleotide coding sequence except where mutations specific to the FP occur (see map). Please see "Notes On Plasmids In This Collection" document for further details and references.

Plasmid Name: pEB1-mCerulean3

Relevant Mutation: Mutations relative to wild-type GFP (F64L, Y66W, S72A, Y145A, N146I, S147H, H148G, M153T, V163A, K166G, I167L, R168N, H169C, A206K)

Record Creation Time: 20220422T221504+0000

Record Last Update: 20260808T080329+0000

Ratings and Alerts

No rating or validation information has been found for pEB1-mCerulean3.

No alerts have been found for pEB1-mCerulean3.

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](#) .

Abell-King C, et al. (2024) Multispecies bacterial invasion of human host cells. Pathogens and disease, 82.

Balleza E, et al. (2018) Systematic characterization of maturation time of fluorescent proteins in living cells. Nature methods, 15(1), 47.