Resource Summary Report

Generated by nidm-terms on Aug 10, 2026

pEB1-T-Sapphire

RRID:Addgene_103977
Type: Plasmid

Proper Citation

RRID:Addgene_103977

Plasmid Information

URL: http://www.addgene.org/103977

Proper Citation: RRID:Addgene_103977

Insert Name: T-Sapphire

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-T-Sapphire

Relevant Mutation: Mutations relative to wild-type GFP (Q69M, C70V, S72A, Y145F, V163A, S175G, T203I)

Record Creation Time: 20220422T221504+0000

Record Last Update: 20260808T080329+0000

Ratings and Alerts

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

No alerts have been found for pEB1-T-Sapphire.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Scherer M, et al. (2025) Clonal tracing with somatic epimutations reveals dynamics of blood ageing. Nature, 643(8071), 478.

Singh I, et al. (2025) Pre-existing stem cell heterogeneity dictates clonal responses to the acquisition of leukemic driver mutations. Cell stem cell, 32(4), 564.

Scherer M, et al. (2024) Somatic epimutations enable single-cell lineage tracing in native hematopoiesis across the murine and human lifespan. bioRxiv : the preprint server for biology.

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