Resource Summary Report

Generated by SPARC SAWG on Sep 22, 2026

pBS598 EF1alpha-EGFPcre

RRID:Addgene_11923
Type: Plasmid

Proper Citation

RRID:Addgene_11923

Plasmid Information

URL: http://www.addgene.org/11923

Proper Citation: RRID:Addgene_11923

Insert Name: EGFP-cre

Organism: bacteriophage P1

Bacterial Resistance: Ampicillin

Defining Citation: PMID:10334853

Vector Backbone Description: Backbone Size:6600; Vector Backbone:na; Vector Types:Mammalian Expression, Cre/Lox; Bacterial Resistance:Ampicillin

Comments: pBS598 carries the EGFPcre fusion gene under the control of the strong elongation factor EF1alpha promoter. This promoter expresses at high levels in most cell types, including embryonic stem (ES) cells. However its use in transgenic mice is not recommended: the promoter is often silenced in a transgene setting. The GFP moiety of the fusion gene carries the S65T mutation for enhanced fluorescence and is codon-optimised for higher level expression. Note: pBS513 (EF1alpha-cre) is very similar to pBS598 but carries the wt cre gene and thus serves as the non-fluorescent counterpart of pBS598.

Plasmid Name: pBS598 EF1alpha-EGFPcre

Record Creation Time: 20220422T221624+0000

Record Last Update: 20260919T090644+0000

Ratings and Alerts

No rating or validation information has been found for pBS598 EF1alpha-EGFPcre.

No alerts have been found for pBS598 EF1alpha-EGFPcre.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Ingersoll S, et al. (2026) Self-clustering of three CBX2 molecules drives PRC2 to promote facultative heterochromatinization of Polycomb target genes. Molecular cell, 86(6), 1015.

Adarska P, et al. (2025) Protocol for fast antibiotic resistance-based gene editing of mammalian cells with CRISPR-Cas9. STAR protocols, 6(3), 103949.

LeBleu VS, et al. (2024) Genetic reprogramming with stem cells regenerates glomerular epithelial podocytes in Alport syndrome. Life science alliance, 7(6).

Stockhammer A, et al. (2024) When less is more - a fast TurboID knock-in approach for high-sensitivity endogenous interactome mapping. Journal of cell science, 137(16).

Ingersoll S, et al. (2024) Sparse CBX2 nucleates many Polycomb proteins to promote facultative heterochromatinization of Polycomb target genes. bioRxiv : the preprint server for biology.

Wong-Dilworth L, et al. (2023) STED imaging of endogenously tagged ARF GTPases reveals their distinct nanoscale localizations. The Journal of cell biology, 222(7).

Mahadevan J, et al. (2023) Dynamics of endogenous PARP1 and PARP2 during DNA damage revealed by live-cell single-molecule imaging. iScience, 26(1), 105779.

Schultz ML, et al. (2022) Species-specific differences in NPC1 protein trafficking govern therapeutic response in Niemann-Pick type C disease. JCI insight, 7(23).

Zhao D, et al. (2021) Scribble sub-cellular localization modulates recruitment of YES1 to regulate YAP1 phosphorylation. Cell chemical biology, 28(8), 1235.

Hamline MY, et al. (2020) OFCD syndrome and extraembryonic defects are revealed by conditional mutation of the Polycomb-group repressive complex 1.1 (PRC1.1) gene BCOR. Developmental biology, 468(1-2), 110.

Youmans DT, et al. (2018) Live-cell imaging reveals the dynamics of PRC2 and recruitment to chromatin by SUZ12-associated subunits. Genes & development, 32(11-12), 794.