

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

pPB-US-ECasE

RRID:Addgene_83961

Type: Plasmid

Proper Citation

RRID:Addgene_83961

Plasmid Information

URL: <http://www.addgene.org/83961>

Proper Citation: RRID:Addgene_83961

Insert Name: ERT2-spCas9-ERT2

Organism: Other

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Sytem Biosciences; Vector Backbone:Piggybac Transposon; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note that mutation R1058W in Cas9 was found during Addgene's quality control. The depositor noted that this mutation does NOT affect plasmid function. The plasmid expresses a ERT2-SpCas9-ERT2 tamoxifen inducible Cas9 driven by the EF-1a promoter. T2A linked puromycin enables stable selection of the piggybac transposon. CRISPR gRNAs can be cloned into the vector at the BbsI cloning sites.

Plasmid Name: pPB-US-ECasE

Relevant Mutation: please see depositor comments below

Record Creation Time: 20220422T222542+0000

Record Last Update: 20260815T082110+0000

Ratings and Alerts

No rating or validation information has been found for pPB-US-ECasE.

No alerts have been found for pPB-US-ECasE.

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 [RRID](#) .

Mayr L, et al. (2026) Chronic enteritis triggered by diet westernization is driven by epithelial ATG16L1-mediated autophagy. Autophagy, 1.

Abu-Zaid A, et al. (2024) Histone lysine demethylase 4 family proteins maintain the transcriptional program and adrenergic cellular state of MYCN-amplified neuroblastoma. Cell reports. Medicine, 5(3), 101468.