

Resource Summary Report

Generated by [RRID](#) on Sep 3, 2026

DiLiCre 2.0

RRID:Addgene_198752

Type: Plasmid

Proper Citation

RRID:Addgene_198752

Plasmid Information

URL: <http://www.addgene.org/198752>

Proper Citation: RRID:Addgene_198752

Insert Name: Cre-PhoCI-ERT2-ERT2

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:36307419](#)

Vector Backbone Description: Backbone Marker:Vlatka Zoldos; Backbone Size:8020; Vector Backbone:#71666 pdCas9-DNMT3A-EGFP; Vector Types:Mammalian Expression, Bacterial Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: Cloning was performed using a third generation lentiviral plasmid as a backbone (pdCas9-DNMT3A-EGFP (Vlatka Zoldoš, #71666)) digested with NheI-EcoRI and ligated to the following DNA fragments: TREGV 3rd generation promoter (amplified by PCR using TRE-KRAB-dCas9-IRES-GFP (Eric Lander, #85556) as a template and digested with NheI-XmaI), PhoCI-ERT2-Cre-ERT2-PhoCI sequence (pCAG-ERT2-PhoCI-Cre-PhoCI-ERT2 (Robert Campbell, #87694)) digested with XmaI-NotI, and NotI-EcoRI adapter. From construct PhoCI-ERT2-Cre-ERT2-PhoCI, the sequence Cre-PhoCI-ERT2 was amplified. Cre sequence from the original construct lacked the canonical first 16 aminoacids (MANLLTVHQNLPALPV), so we restored them. The synthesized fragment was ligated into the pCAG-ERT2-PhoCI-Cre-PhoCI-ERT2 vector upon PacI and EcoRI digestion. Using this as a template, we amplified Cre-PhoCI-ERT2 sequence to generate a new fragment flanked by PacI and Ascl restriction sites. An additional ERT2 domain was synthesized by PCR with Ascl and EcoRI ends and one 5'-GSGSGGG flexible linker. Upon digestion, the two fragments were ligated into the pCAG-ERT2-PhoCI-Cre-PhoCI-ERT2 vector upon PacI and EcoRI digestion. Finally, Cre-PhoCI-ERT2(x2) fragment was jumped into the PiggyBac XLone vector system²⁵. To this end, XLone plasmid backbone was PCR and Cre-PhoCI-ERT2(x2) cassette ligated upon NheI-NotI digestion.

Plasmid Name: DiLiCre 2.0

Record Creation Time: 20230709T080425+0000

Record Last Update: 20260902T043545+0000

Ratings and Alerts

No rating or validation information has been found for DiLiCre 2.0.

No alerts have been found for DiLiCre 2.0.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.