

Resource Summary Report

Generated by PRECISE-TBI on Sep 5, 2026

pQadd1F

RRID:Addgene_135660

Type: Plasmid

Proper Citation

RRID:Addgene_135660

Plasmid Information

URL: <http://www.addgene.org/135660>

Proper Citation: RRID:Addgene_135660

Insert Name: Intron containing lox site

Organism: Synthetic

Bacterial Resistance: Erythromycin

Defining Citation: [PMID:31826971](https://pubmed.ncbi.nlm.nih.gov/31826971/)

Vector Backbone Description: Backbone Size:6500; Vector Backbone:pAT19; Vector Types:Bacterial Expression, Cre/Lox; Bacterial Resistance:Erythromycin

Comments: Transcription of LtrB-derived group II intron is driven by the pFer promoter. Redesign intron to target gene using TargeTron or Clostron algorithms (links below), then clone by SOE-PCR or gene synthesis ligation between NdeI and BsrGI sites. Intron redesign links <http://www.clostron.com/clostron1.php> http://www.targetrons.com/targetron_pLtrB.php Reference for intron redesign Heap JT, Pennington OJ, Cartman ST, Carter GP, Minton NP. The ClosTron: A universal gene knock-out system for the genus Clostridium. J Microbiol Methods. 2007;70(3):452-464. Perutka J, Wang W, Goerlitz D, Lambowitz AM. Use of Computer-designed Group II Introns to Disrupt Escherichia coli DExH / D-box Protein and DNA Helicase Genes. 2004:421-439.

Plasmid Name: pQadd1F

Record Creation Time: 20220422T221748+0000

Record Last Update: 20260905T074810+0000

Ratings and Alerts

No rating or validation information has been found for pQadd1F.

No alerts have been found for pQadd1F.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.