Resource Summary Report

Generated by RRID on Aug 18, 2026

pBad-Xis/Int Reset Flipper

RRID:Addgene_38207
Type: Plasmid

Proper Citation

RRID:Addgene_38207

Plasmid Information

URL: http://www.addgene.org/38207

Proper Citation: RRID:Addgene_38207

Insert Name: Bxb1-Excisionase

Bacterial Resistance: Chloramphenicol

Defining Citation: PMID:22615351

Vector Backbone Description: Backbone Size:2800; Vector Backbone:J64100; Vector Types:Synthetic Biology, BioBrick cloning vector; Bacterial Resistance:Chloramphenicol

Comments: In the reset circuit, PBAD controls expression of a polycistron encoding excisionase with a strong RBS followed by Bxb1 integrase with a GTG start codon to decrease its translation rate and increase the excisionase to integrase ratio. This construct was cloned in a plasmid with a regulated ColE1 origin of replication (J64100, 50-70 copies, chloramphenicol resistance).

Plasmid Name: pBad-Xis/Int Reset Flipper

Record Creation Time: 20220422T222201+0000

Record Last Update: 20260815T081420+0000

Ratings and Alerts

No rating or validation information has been found for pBad-Xis/Int Reset Flipper.

No alerts have been found for pBad-Xis/Int Reset Flipper.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Saunders SH, et al. (2024) ORBIT for E. coli: kilobase-scale oligonucleotide recombineering at high throughput and high efficiency. Nucleic acids research, 52(8), e43.