Resource Summary Report

Generated by dkNET on Jul 29, 2026

pMLM36 (aka pBR-UV5-GP-FD2)

RRID:Addgene_21871
Type: Plasmid

Proper Citation

RRID:Addgene_21871

Plasmid Information

URL: http://www.addgene.org/21871

Proper Citation: RRID:Addgene_21871

Bacterial Resistance: Ampicillin

Defining Citation: PMID:19798082

Vector Backbone Description: Backbone Size:3508; Vector Backbone:pMLM36; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Combinatorial libraries of zinc finger arrays made by OPEN are cloned into this plasmid (see Maeder et al., Mol Cel 2008, PMID 18657511). Ligate zinc finger array fragments with BbsI-digested pBR-UV5-GP-FD2 vector backbone to create plasmids that express the zinc finger array as a FLAG-tagged Gal11P fusion in the B2H system. The lacUV5 promoter which drives expression of the Gal11P fusion protein contains a lac operator and therefore can be repressed by lac repressor. This plasmid is a low copy number plasmid and therefore we recommend that minipreps be performed from a 4 to 10 ml culture. Annotations for pMLM36: 12-17: lacUV5 promoter -35 box / 36-41: lacUV5 promoter -10 box / 48: lacUV5 promoter transcription start point / 86-88: Start codon for Gal11P protein fragment / 89-358: Coding sequence for Gal11P a.a. 263-352 (with additional translationally silent mutations) / 407-412: BbsI site #1 / 433-438: BbsI site #2 / 568-1024: f1 phage origin of replication / 1156-2013: beta-lactamase gene cassette (confers resistance to ampicillin and carbenicillin) / 2016-2956: ColE1 origin of replication (plasmid origin) / 3203-3390: rop gene (associated with regulation of copy number)

Plasmid Name: pMLM36 (aka pBR-UV5-GP-FD2)

Record Creation Time: 20220422T222057+0000

Record Last Update: 20260725T074428+0000

Ratings and Alerts

No rating or validation information has been found for pMLM36 (aka pBR-UV5-GP-FD2).

No alerts have been found for pMLM36 (aka pBR-UV5-GP-FD2).

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 dkNET .

Thomas HR, et al. (2014) High-throughput genome editing and phenotyping facilitated by high resolution melting curve analysis. PloS one, 9(12), e114632.