Resource Summary Report

Generated by nidm-terms on Aug 9, 2026

pMLM802

RRID:Addgene_27203
Type: Plasmid

Proper Citation

RRID:Addgene_27203

Plasmid Information

URL: http://www.addgene.org/27203

Proper Citation: RRID:Addgene_27203

Insert Name: FokI endonuclease

Bacterial Resistance: Ampicillin

Defining Citation: PMID:17603475

Vector Backbone Description: Backbone Size:5727; Vector Backbone:pMLM802; Vector Types:Mammalian Expression, zebrafish expression; Bacterial Resistance:Ampicillin

Comments: For expression of a "-" heterodimeric FokI domain. (Miller et al., Nat Biotech 2007) in mammalian cells or zebrafish for ZFN targets with a 7bp spacer (Handel et al 2008, Mol Ther). To clone a zinc finger array into this plasmid, perform the following steps: (1) amplify the zinc finger array coding sequence from a B2H expression vector by PCR using primers OMM429 (5'-GATGACAAATCTAGACCCGGGGAGCG-3') and OMM430 (5'-CTGCGGCCGCACCGGGTCCTGTGTGGGTTTTTAGGTG-3'), (2) digest the resulting PCR fragment with XbaI and NotI, and (3) clone the digested fragment into MLM802 vector backbone that has been digested with XbaI and NotI. The resulting plasmid will encode a ZFN that can be paired with a ZFN cloned into expression vector MLM800 to target a ZFN target site with a 7 bp spacer (Handel et al. 2008, Mol Ther.). The difference between pMLM800/802 and pMLM290/292 is the length of the "spacer" sequence in the full ZFN target site. If the spacer is 7 bp, scientists should use pMLM800/802. If the spacer is 5 or 6 bps, scientists should use pMLM290/292.

Plasmid Name: pMLM802

Record Creation Time: 20220422T222122+0000

Record Last Update: 20260808T081501+0000

Ratings and Alerts

No rating or validation information has been found for pMLM802.

No alerts have been found for pMLM802.

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 nidm-terms .

Sood R, et al. (2013) Efficient methods for targeted mutagenesis in zebrafish using zinc-finger nucleases: data from targeting of nine genes using CompoZr or CoDA ZFNs. PloS one, 8(2), e57239.