

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

3×Cherry Dam AID Smash

RRID:Addgene_227374

Type: Plasmid

Proper Citation

RRID:Addgene_227374

Plasmid Information

URL: <http://www.addgene.org/227374>

Proper Citation: RRID:Addgene_227374

Insert Name: Dam DNA-adenine methyltransferase

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:37286600](#)

Vector Backbone Description: Vector Backbone:pCW57.1; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: The megaDam vector was generated by synthesizing (Genewiz) a sequence containing three copies of mCherry (based on the sequence from pHAGE-EFS-N22p-3XRFPnls; Addgene plasmid #75387) and the sequences encoding the mAID and SMASh degress (from Lemmens, B. et al. DNA replication determines timing of mitosis by restricting CDK1 and PLK1 activation. Mol. Cell 71, 117–128.e3 (2018)). The Dam coding sequence was taken from TS52_pT_damonly (van Steensel lab). The sequence encoding the Dam–mCherry double-degrogen fusion was cloned and introduced into the lentiviral vector pCW57.1 (Addgene plasmid #41393, Addgene; gift from David Root).

Plasmid Name: 3×Cherry Dam AID Smash

Record Creation Time: 20241026T080718+0000

Record Last Update: 20260725T080156+0000

Ratings and Alerts

No rating or validation information has been found for 3×Cherry Dam AID Smash.

No alerts have been found for 3×Cherry Dam AID Smash.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.