

Resource Summary Report

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

pSpdCas9-huTET1CD-T2A-mCherry(PX458)

RRID:Addgene_129027

Type: Plasmid

Proper Citation

RRID:Addgene_129027

Plasmid Information

URL: <http://www.addgene.org/129027>

Proper Citation: RRID:Addgene_129027

Insert Name: dCas9-huTET1CD, SgRNA cloning site

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:33488615](#)

Vector Backbone Description: Backbone Marker:Feng Zhang (Addgene plasmid # 48138); Vector Backbone:PX458 ; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: For SgRNA cloning: Caution! BbsI cannot be used for SgRNA cloning in this plasmid, there are BbsI sites in TET1CD. Instead the guide sequence can be cloned into Addgene#48138 and in a second step transferred into this plasmid (for example using PvuI & XbaI). This plasmid was generated by Christopher Kressler.

Plasmid Name: pSpdCas9-huTET1CD-T2A-mCherry(PX458)

Relevant Mutation: dCas9 (D10A;H840A)

Record Creation Time: 20220422T221718+0000

Record Last Update: 20260725T073756+0000

Ratings and Alerts

No rating or validation information has been found for pSpdCas9-huTET1CD-T2A-mCherry(PX458).

No alerts have been found for pSpdCas9-huTET1CD-T2A-mCherry(PX458).

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 [NIF](#) .

Liu W, et al. (2024) PPM1G Inhibits Epithelial-Mesenchymal Transition in Cholangiocarcinoma by Catalyzing TET1 Dephosphorylation for Destabilization to Impair Its Targeted Demethylation of the CLDN3 Promoter. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(47), e2407323.