

Resource Summary Report

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

pSpdCas9-hudTET1CD-T2A-mCherry(PX458)-SghuTSDR-6

RRID:Addgene_129046

Type: Plasmid

Proper Citation

RRID:Addgene_129046

Plasmid Information

URL: <http://www.addgene.org/129046>

Proper Citation: RRID:Addgene_129046

Insert Name: dCas9-hudTET1CD, SgRNA6 (huTSDR)

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

Plasmid Name: pSpdCas9-hudTET1CD-T2A-mCherry(PX458)-SghuTSDR-6

Relevant Mutation: dCas9 (D10A;H840A), catalytic domain huTET1 inactive (H1671Y; D1673A)

Record Creation Time: 20220422T221718+0000

Record Last Update: 20260725T073756+0000

Ratings and Alerts

No rating or validation information has been found for pSpdCas9-hudTET1CD-T2A-mCherry(PX458)-SghuTSDR-6.

No alerts have been found for pSpdCas9-hudTET1CD-T2A-mCherry(PX458)-SghuTSDR-6.

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](#) .

Tanwar J, et al. (2022) MITF is a novel transcriptional regulator of the calcium sensor STIM1: Significance in physiological melanogenesis. The Journal of biological chemistry, 298(12), 102681.