

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

pDN-D2irTN2AG5kwh

RRID:Addgene_128253

Type: Plasmid

Proper Citation

RRID:Addgene_128253

Plasmid Information

URL: <http://www.addgene.org/128253>

Proper Citation: RRID:Addgene_128253

Insert Name: Beta Globin Intron::hTetR::P2A::EGFP

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:31235692](#)

Vector Backbone Description: Backbone Marker:Custom; Backbone Size:7505; Vector Backbone:pDN-D2irTNG5kwh; Vector Types:Mammalian Expression, Synthetic Biology, Flp-In expression vector; Bacterial Resistance:Ampicillin

Comments: The plasmid encodes a mammalian synthetic gene circuit with the humanized Tetracycline Repressor (hTetR) regulator separated from EGFP by a P2A motif, which is controlled by a CMV-derived promoter containing 2 tetO2 sites. With hTetR binding to the promoter, negative feedback lowers gene expression noise while linearizing the mean dose response. The circuit is also called mNF-GFP and is within a Flp-In expression vector.

Plasmid Name: pDN-D2irTN2AG5kwh

Record Creation Time: 20220422T221713+0000

Record Last Update: 20260815T080445+0000

Ratings and Alerts

No rating or validation information has been found for pDN-D2irTN2AG5kwh.

No alerts have been found for pDN-D2irTN2AG5kwh.

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 [RRID](#) .

Wan Y, et al. (2023) Nonmonotone invasion landscape by noise-aware control of metastasis activator levels. Nature chemical biology, 19(7), 887.