

# 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.