

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 23, 2026

DR.GFP

RRID:Addgene_17617

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/17617>

Proper Citation: RRID:Addgene_17617

Insert Name: HLA-DRA promoter

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11781219](#)

Vector Backbone Description: Backbone Marker:Dr. Didier Trono; Backbone Size:0; Vector Backbone:SIN LV pRLLhPGK.GFP Sin-18 (modified); Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: SIN lentiviral vector that expresses GFP controlled by the promoter of the human HLA-DRA gene, which is selectively expressed in antigen-presenting cells (APCs). We constructed DR.GFP by using the human (MHC II) HLA-DRA promoter (nucleotide 182 to 480, as numbered in GenBank accession X00274) to replace the PGK promoter (XhoI to BamHI sites in the PGK.GFP vector). This 300-base pair promoter sequence has been shown to confer selective expression of a transgene in MHC II+ cells. Recombinant LVs were generated using the 3-plasmid system by cotransfection of 293T cells through calcium phosphate precipitation. The ratio of a transducing vector, pMD.G, and pCMVDeltaR8.91 was fixed at 1.5:0.5:2 for 10⁶ 293T cells.

Plasmid Name: DR.GFP

Record Creation Time: 20220422T222017+0000

Record Last Update: 20260815T081056+0000

Ratings and Alerts

No rating or validation information has been found for DR.GFP.

No alerts have been found for DR.GFP.

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 [PRECISE-TBI](#) .

Bu C, et al. (2023) mTORC2 promotes pancreatic cancer progression and parp inhibitor resistance. Oncology research, 31(4), 495.