

Resource Summary Report

Generated by [RRID](#) on Sep 1, 2026

pIVT-p53DD

RRID:Addgene_232751

Type: Plasmid

Proper Citation

RRID:Addgene_232751

Plasmid Information

URL: <http://www.addgene.org/232751>

Proper Citation: RRID:Addgene_232751

Insert Name: p53DD

Organism: Mus musculus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:42062565](#)

Vector Backbone Description: Backbone Size:1600; Vector Backbone:pENTR4; Vector Types:in vitro transcription; Bacterial Resistance:Kanamycin

Comments: The 5' and 3' beta globin UTR sequences flanking the ORF were based on previous literature for effective modRNA expression in hiPSCs: 10.1016/j.crmeth.2022.100290 To generate linear IVT template, digest the plasmid with MluI. The vector encodes a segmented polyA track, obviating the need for polyadenylation after IVT (doi: 10.1261/rna.069286.118). Due to the inability of nanopore sequencing to accurately read long polyN stretches and the possibility of polyA truncation, the actual length of the polyA tail may differ when propagating the vector. In our hands, we have not seen measurable differences in expression across different plasmid preparations.

Plasmid Name: pIVT-p53DD

Relevant Mutation: deletion of DNA binding domain

Record Creation Time: 20250320T090936+0000

Record Last Update: 20260829T082313+0000

Ratings and Alerts

No rating or validation information has been found for pIVT-p53DD.

No alerts have been found for pIVT-p53DD.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.