

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

gRNA-CasRx_SD1-pSV40-TagBFP

RRID:Addgene_221004

Type: Plasmid

Proper Citation

RRID:Addgene_221004

Plasmid Information

URL: <http://www.addgene.org/221004>

Proper Citation: RRID:Addgene_221004

Insert Name: CasRx 30nt processed direct repeat with SD1 mutation

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:38917795](#)

Vector Backbone Description: Vector Backbone:pXR003 (Addgene #109053); Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: The gRNA backbone contains the SD1 mutation (DR1 A>T) in the direct repeat, which boosted knockdown efficiency in a previous paper (Wessels et al., 2020, Nat Biotech). We have found increased splicing modulation with this mutation compared to the WT direct repeat.

Plasmid Name: gRNA-CasRx_SD1-pSV40-TagBFP

Relevant Mutation: DR1 A>T

Record Creation Time: 20240801T080706+0000

Record Last Update: 20260912T094117+0000

Ratings and Alerts

No rating or validation information has been found for gRNA-CasRx_SD1-pSV40-TagBFP.

No alerts have been found for gRNA-CasRx_SD1-pSV40-TagBFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.