

Resource Summary Report

Generated by [NIF](#) on Aug 20, 2026

8xCTS1_deltaC55A-hutRNApro_BsmBplch-SAMsgRNA_14nt Buffer_delta-hutRNApro_SV40polyA

RRID:Addgene_124539

Type: Plasmid

Proper Citation

RRID:Addgene_124539

Plasmid Information

URL: <http://www.addgene.org/124539>

Proper Citation: RRID:Addgene_124539

Insert Name: deltaC55A-hutRNApro_BsmBplch-SAMsgRNA_14nt Buffer_delta-hutRNApro

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:30940799](https://pubmed.ncbi.nlm.nih.gov/30940799/)

Vector Backbone Description: Vector Backbone:P1-EYFP-pA (Construct 5) (Addgene: 55197); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Engineered tRNA scaffold-flanked sgRNA containing 2xMS2 loops with a BsmBI cloning site for spacer cloning. The flanking variants show low/absent background with moderate guide release capability. Enhancer elements can be exchanged using the NheI site, and promoter/enhancer region can be changed using NcoI NheI double digestion. Please visit <https://www.biorxiv.org/content/10.1101/342485v1> for BioRxiv preprint.

Plasmid Name: 8xCTS1_deltaC55A-hutRNApro_BsmBplch-SAMsgRNA_14nt Buffer_delta-hutRNApro_SV40polyA

Relevant Mutation: d11-41 C55A, d11-41

Record Creation Time: 20220422T221653+0000

Record Last Update: 20260815T080407+0000

Ratings and Alerts

No rating or validation information has been found for 8xCTS1_deltaC55A-hutRNApro_BsmBplch-SAMsgRNA_14nt Buffer_delta-hutRNApro_SV40polyA.

No alerts have been found for 8xCTS1_deltaC55A-hutRNApro_BsmBplch-SAMsgRNA_14nt Buffer_delta-hutRNApro_SV40polyA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.