

Resource Summary Report

Generated by [RRID](#) on Aug 23, 2026

ATP1A1_G8_MTOR_Nick_Exon-53_Dual_sgRNA

RRID:Addgene_178107

Type: Plasmid

Proper Citation

RRID:Addgene_178107

Plasmid Information

URL: <http://www.addgene.org/178107>

Proper Citation: RRID:Addgene_178107

Insert Name: ATP1A1 G8 + MTOR nick exon-53 sgRNAs

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:36207338](#)

Vector Backbone Description: Vector Backbone:pUC19; Vector Types:Mammalian Expression, CRISPR, Prime editing; Bacterial Resistance:Ampicillin

Comments: Control PE3 nick sgRNAs vector derived from ATP1A1_G8_Dual_sgRNA. This vector can be used as a positive control for prime editing (PE3) to co-target ATP1A1 (T804N) and MTOR to perform coselection for MTOR hyperactivating mutation E2419K. Please visit <https://doi.org/10.1101/2021.11.02.464583> for bioRxiv preprint.

Plasmid Name: ATP1A1_G8_MTOR_Nick_Exon-53_Dual_sgRNA

Record Creation Time: 20220422T222027+0000

Record Last Update: 20260815T081115+0000

Ratings and Alerts

No rating or validation information has been found for ATP1A1_G8_MTOR_Nick_Exon-53_Dual_sgRNA.

No alerts have been found for ATP1A1_G8_MTOR_Nick_Exon-53_Dual_sgRNA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.