

Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

eSpCas9(1.1)_No_FLAG_ATP1A1_G2_Dual_sgRNA

RRID:Addgene_86612

Type: Plasmid

Proper Citation

RRID:Addgene_86612

Plasmid Information

URL: <http://www.addgene.org/86612>

Proper Citation: RRID:Addgene_86612

Insert Name: ATP1A1 G2 sgRNA + user-specified sgRNA + FLAGless enhanced specificity Cas9 (1.1)

Organism: S. pyogenes

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28417998](#)

Vector Backbone Description: Vector Backbone:pX330-U6-Chimeric_BB-CBh-hSpCas9; Vector Types:Mammalian Expression, CRISPR, Co-selection via NHEJ using ouabain; Bacterial Resistance:Ampicillin

Comments: ATP1A1 G2 gRNA target sequence is gatccaagctgctacagaag.

Plasmid Name: eSpCas9(1.1)_No_FLAG_ATP1A1_G2_Dual_sgRNA

Relevant Mutation: K848A, K1003A, & R1060A

Record Creation Time: 20220422T222556+0000

Record Last Update: 20260815T082136+0000

Ratings and Alerts

No rating or validation information has been found for eSpCas9(1.1)_No_FLAG_ATP1A1_G2_Dual_sgRNA.

No alerts have been found for eSpCas9(1.1)_No_FLAG_ATP1A1_G2_Dual_sgRNA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Janovi?? T, et al. (2025) TRF1 and TRF2 form distinct shelterin subcomplexes at telomeres. Cell reports, 44(9), 116178.

Gonthier K, et al. (2023) Isocitrate dehydrogenase 1 sustains a hybrid cytoplasmic-mitochondrial tricarboxylic acid cycle that can be targeted for therapeutic purposes in prostate cancer. Molecular oncology.

Chen FW, et al. (2022) Activation of mitochondrial TRAP1 stimulates mitochondria-lysosome crosstalk and correction of lysosomal dysfunction. iScience, 25(9), 104941.

Pham QT, et al. (2020) High-throughput assessment of mutations generated by genome editing in induced pluripotent stem cells by high-resolution melting analysis. Cytotherapy, 22(10), 536.