

Resource Summary Report

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

eSpCas9(1.1)_No_FLAG_ATP1A1_G3_Dual_sgRNA

RRID:Addgene_86613

Type: Plasmid

Proper Citation

RRID:Addgene_86613

Plasmid Information

URL: <http://www.addgene.org/86613>

Proper Citation: RRID:Addgene_86613

Insert Name: ATP1A1 G3 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 HDR using ouabain; Bacterial Resistance:Ampicillin

Comments: ATP1A1 G3 gRNA target sequence is GAGTTCTGTAATTCAGCATA

Plasmid Name: eSpCas9(1.1)_No_FLAG_ATP1A1_G3_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_G3_Dual_sgRNA.

No alerts have been found for eSpCas9(1.1)_No_FLAG_ATP1A1_G3_Dual_sgRNA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Hung HF, et al. (2026) Centrosome linker protein CEP68 modulates cellular stress responses via nuclear condensate formation and HSP27 interaction. *iScience*, 29(7), 116491.

Vorhauser J, et al. (2025) A redox switch in p21-CDK feedback during G2 phase controls the proliferation-cell cycle exit decision. *Molecular cell*, 85(17), 3241.

Eickhoff P, et al. (2025) Chromosome end protection by RAP1-mediated inhibition of DNA-PK. *Nature*, 642(8069), 1090.

Cheng L, et al. (2025) PEBP1 amplifies mitochondrial dysfunction-induced integrated stress response. *eLife*, 13.

Geraud M, et al. (2024) TDP1 mutation causing SCAN1 neurodegenerative syndrome hampers the repair of transcriptional DNA double-strand breaks. *Cell reports*, 43(5), 114214.

Morrison KR, et al. (2023) Elevated basal AMP-activated protein kinase activity sensitizes colorectal cancer cells to growth inhibition by metformin. *Open biology*, 13(4), 230021.

Kelly JJ, et al. (2022) Snapshots of actin and tubulin folding inside the TRiC chaperonin. *Nature structural & molecular biology*, 29(5), 420.

Giebel N, et al. (2021) USP42 protects ZNRF3/RNF43 from R-spondin-dependent clearance and inhibits Wnt signalling. *EMBO reports*, 22(5), e51415.

Cerezo EL, et al. (2021) R1OK2 phosphorylation by RSK promotes synthesis of the human small ribosomal subunit. *PLoS genetics*, 17(6), e1009583.

Hellmuth S, et al. (2020) Separase-triggered apoptosis enforces minimal length of mitosis. *Nature*, 580(7804), 542.