

Resource Summary Report

Generated by [dkNET](#) on Sep 9, 2026

[px459V2.0_Conc2](#)

RRID:Addgene_134451

Type: Plasmid

Proper Citation

RRID:Addgene_134451

Plasmid Information

URL: <http://www.addgene.org/134451>

Proper Citation: RRID:Addgene_134451

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32150173](#)

Vector Backbone Description: Backbone Marker:Feng Zhang; Vector Backbone:pSpCas9(BB)-2A-Puro (PX459) V2.0; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: The sgRNAs can get introduced by golden gate cloning like described in Andersson-Rolf A et al.: Simultaneous paralogue knockout using a CRISPR-concatemer in mouse small intestinal organoids. Dev Biol. 2016. doi: 10.1016/j.ydbio.2016.10.016. For more information see protocol.

Plasmid Name: px459V2.0_Conc2

Record Creation Time: 20220422T221743+0000

Record Last Update: 20260905T074759+0000

Ratings and Alerts

No rating or validation information has been found for px459V2.0_Conc2.

No alerts have been found for px459V2.0_Conc2.

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 [dkNET](#) .

Nomakuchi TT, et al. (2025) De novo MAP2K4 variants cause a novel neurodevelopmental syndrome with impaired JNK signaling in iPSC-derived neurons. medRxiv : the preprint server for health sciences.

Rong S, et al. (2024) DGAT2 inhibition blocks SREBP-1 cleavage and improves hepatic steatosis by increasing phosphatidylethanolamine in the ER. Cell metabolism, 36(3), 617.

Liu H, et al. (2024) Establishment and characterization of an hACE2/hTMPRSS2 knock-in mouse model to study SARS-CoV-2. Frontiers in immunology, 15, 1428711.

Ding L, et al. (2022) DNA methylation-independent long-term epigenetic silencing with dCRISPR/Cas9 fusion proteins. Life science alliance, 5(6).