Resource Summary Report

Generated by RRID on Sep 2, 2026

AIO-Puro

RRID:Addgene_74630
Type: Plasmid

Proper Citation

RRID:Addgene_74630

Plasmid Information

URL: http://www.addgene.org/74630

Proper Citation: RRID:Addgene_74630

Bacterial Resistance: Ampicillin

Defining Citation: PMID:27079678

Vector Backbone Description: Backbone Size:9626; Vector Backbone:All-in-One_Nickase-D10A; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Comments: Puromycin resistance gene is only for transient expression along with Cas9 nickase. Thus, drug selection period should be tested for each experiment. The presence of cellular puromycin resistance could be monitored by performing a control transfection with an empty backbone vector of either AIO-GFP or AIO-mCherry in which GFP/mCherry expression level represents puromycin resistance level.

Plasmid Name: AIO-Puro

Record Creation Time: 20220422T222454+0000

Record Last Update: 20260902T050128+0000

Ratings and Alerts

No rating or validation information has been found for AIO-Puro.

No alerts have been found for AIO-Puro.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Kaur H, et al. (2026) Dynamicity of Topoisomerase 1 binding at super-enhancers regulates TLR-responsive gene expression program in macrophages. Cell reports, 45(7), 117604.

Fu S, et al. (2025) Autism risk genes converge on PBX1 to govern neural cell growth. bioRxiv : the preprint server for biology.

Takesue H, et al. (2025) Strategic targeting of Cas9 nickase expands tandem gene arrays. Cell genomics, 5(4), 100811.

Sugiyama Y, et al. (2024) Strategic targeting of Cas9 nickase induces large segmental duplications. Cell genomics, 4(8), 100610.

Zheng R, et al. (2024) Multiplexed sequential imaging in living cells with orthogonal fluorogenic RNA aptamer/dye pairs. Nucleic acids research, 52(15), e67.

Mathavarajah S, et al. (2023) PML and PML-like exonucleases restrict retrotransposons in jawed vertebrates. Nucleic acids research, 51(7), 3185.

Papadaki V, et al. (2023) IQGAP1 mediates the communication between the nucleus and the mitochondria via NDUFS4 alternative splicing. NAR cancer, 5(3), zcad046.