

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

[AIO-mCherry](#)

RRID:Addgene_74120

Type: Plasmid

Proper Citation

RRID:Addgene_74120

Plasmid Information

URL: <http://www.addgene.org/74120>

Proper Citation: RRID:Addgene_74120

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27079678](#)

Vector Backbone Description: Backbone Size:9728; Vector Backbone:All-in-One; Vector Types:Mammalian Expression, CRISPR; Bacterial Resistance:Ampicillin

Plasmid Name: AIO-mCherry

Record Creation Time: 20220422T222453+0000

Record Last Update: 20260815T081935+0000

Ratings and Alerts

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

No alerts have been found for AIO-mCherry.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Guerrero-Vargas JM, et al. (2025) Evaluation of the PP6D5 Polymer as a Novel Non-Viral Vector in the Development of a CRISPR/nCas9-Based Gene Therapy for Tay-Sachs Disease. *Pharmaceutics*, 17(5).

Provencher L, et al. (2025) CHD6 has poly(ADP-ribose)- and DNA-binding domains and regulates PARP1/2-trapping inhibitor sensitivity via abasic site repair. *Nature communications*, 16(1), 1026.

Rodriguez M, et al. (2025) An Auxin Inducible Degradation System to Study Mklp2 Functions in MDCK Epithelial Cells. *Biology of the cell*, 117(6), e70015.

Rajaram N, et al. (2023) Development of super-specific epigenome editing by targeted allele-specific DNA methylation. *Epigenetics & chromatin*, 16(1), 41.

Leal AF, et al. (2023) Efficient CRISPR/Cas9 nickase-mediated genome editing in an in vitro model of mucopolysaccharidosis IVA. *Gene therapy*, 30(1-2), 107.

Leal AF, et al. (2023) Iron oxide-coupled CRISPR-nCas9-based genome editing assessment in mucopolysaccharidosis IVA mice. *Molecular therapy. Methods & clinical development*, 31, 101153.

Leal AF, et al. (2022) Delivery and assessment of a CRISPR/nCas9-based genome editing system on in vitro models of mucopolysaccharidoses IVA assisted by magnetite-based nanoparticles. *Scientific reports*, 12(1), 15045.

Leal AF, et al. (2022) CRISPR/nCas9-Based Genome Editing on GM2 Gangliosidoses Fibroblasts via Non-Viral Vectors. *International journal of molecular sciences*, 23(18).

Jankowski CSR, et al. (2022) Selenium Modulates Cancer Cell Response to Pharmacologic Ascorbate. *Cancer research*, 82(19), 3486.

Asthana J, et al. (2021) Gradual compaction of the central spindle decreases its dynamicity in PRC1 and EB1 gene-edited cells. *Life science alliance*, 4(12).

Chen IT, et al. (2021) Promyelocytic leukemia protein targets MK2 to promote cytotoxicity. *EMBO reports*, 22(12), e52254.

Karpov DS, et al. (2019) [A Plasmid-Expressed CRISPR/Cas9 System Suppresses Replication of HSV Type I in a Vero Cell Culture]. *Molekuliarnai biologii*, 53(1), 91.