

Resource Summary Report

Generated by [NIF](#) on Aug 1, 2026

GFP-CA-mDia1

RRID:Addgene_45583

Type: Plasmid

Proper Citation

RRID:Addgene_45583

Plasmid Information

URL: <http://www.addgene.org/45583>

Proper Citation: RRID:Addgene_45583

Insert Name: Constitutively active mDia1 (CA-mDia1)

Organism: Mus musculus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:23677607](#)

Vector Backbone Description: Backbone Marker:Clontech ; Backbone Size:4700;
Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial
Resistance:Kanamycin

Plasmid Name: GFP-CA-mDia1

Relevant Mutation: Insert mDia1 contains mutations V161D and N165D in the N-terminus, and mutations M1182A and L1185A at the C-terminus

Record Creation Time: 20220422T222235+0000

Record Last Update: 20260801T081329+0000

Ratings and Alerts

No rating or validation information has been found for GFP-CA-mDia1.

No alerts have been found for GFP-CA-mDia1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Zhang W, et al. (2021) Formin Activity and mDia1 Contribute to Maintain Axon Initial Segment Composition and Structure. Molecular neurobiology, 58(12), 6153.

Xia S, et al. (2019) Nanoscale Architecture of the Cortical Actin Cytoskeleton in Embryonic Stem Cells. Cell reports, 28(5), 1251.