

Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

mEmerald-mDia1-N-14

RRID:Addgene_54157

Type: Plasmid

Proper Citation

RRID:Addgene_54157

Plasmid Information

URL: <http://www.addgene.org/54157>

Proper Citation: RRID:Addgene_54157

Insert Name: mDia1

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mEmerald-N1;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 487; Emission = 509. Localization data: Cytoskeleton

Plasmid Name: mEmerald-mDia1-N-14

Record Creation Time: 20220422T222317+0000

Record Last Update: 20260912T092846+0000

Ratings and Alerts

No rating or validation information has been found for mEmerald-mDia1-N-14.

No alerts have been found for mEmerald-mDia1-N-14.

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 [NIF](#) .

Oevel K, et al. (2024) Rho GTPase signaling and mDia facilitate endocytosis via presynaptic actin. eLife, 12.

Zhang YW, et al. (2022) Quantitation of RhoA activation: differential binding to downstream effectors. Small GTPases, 13(1), 296.

Liu D, et al. (2020) Protein diaphanous homolog 1 (Diaph1) promotes myofibroblastic activation of hepatic stellate cells by regulating Rab5a activity and TGF β receptor endocytosis. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 34(6), 7345.

Matsuzawa K, et al. (2018) γ -Catenin Controls the Anisotropy of Force Distribution at Cell-Cell Junctions during Collective Cell Migration. Cell reports, 23(12), 3447.