

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

E. coli expression: Z-lock cofilin dark state mutant

RRID:Addgene_141135

Type: Plasmid

Proper Citation

RRID:Addgene_141135

Plasmid Information

URL: <http://www.addgene.org/141135>

Proper Citation: RRID:Addgene_141135

Insert Name: Zdk2, Cofilin, LOV2

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:31740825](#)

Vector Backbone Description: Vector Backbone:pET; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: There is a point mutation in the Zdk portion of the dark control construct. In our hands, this had no effect on the experiments, and it is a position where it would not be expected to impact binding or optogenetic response.

Plasmid Name: E. coli expression: Z-lock cofilin dark state mutant

Relevant Mutation: D3 deletion, I32F in Zdk2

Record Creation Time: 20220422T221814+0000

Record Last Update: 20260815T080646+0000

Ratings and Alerts

No rating or validation information has been found for E. coli expression: Z-lock cofilin dark state mutant.

No alerts have been found for E. coli expression: Z-lock cofilin dark state mutant.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.