

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

Hela kinase-dead MLCK-GFP

RRID:Addgene_46317

Type: Plasmid

Proper Citation

RRID:Addgene_46317

Plasmid Information

URL: <http://www.addgene.org/46317>

Proper Citation: RRID:Addgene_46317

Insert Name: HeLa long myosin light chain kinase-dead

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:15020676](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4700; Vector Backbone:pEGFP-C2; Vector Types:Mammalian Expression, Bacterial Expression; Bacterial Resistance:Kanamycin

Plasmid Name: Hela kinase-dead MLCK-GFP

Relevant Mutation: E1626K

Record Creation Time: 20220422T222239+0000

Record Last Update: 20260725T074732+0000

Ratings and Alerts

No rating or validation information has been found for Hela kinase-dead MLCK-GFP.

No alerts have been found for Hela kinase-dead MLCK-GFP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Courte J, et al. (2024) Programming the elongation of mammalian cell aggregates with synthetic gene circuits. bioRxiv : the preprint server for biology.

Taneja N, et al. (2021) Myosin light chain kinase-driven myosin II turnover regulates actin cortex contractility during mitosis. Molecular biology of the cell, 32(20), br3.

Kim JM, et al. (2016) Optogenetic toolkit reveals the role of Ca²⁺ sparklets in coordinated cell migration. Proceedings of the National Academy of Sciences of the United States of America, 113(21), 5952.