

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

pEGFP-MRLC T18A,S19A

RRID:Addgene_35681

Type: Plasmid

Proper Citation

RRID:Addgene_35681

Plasmid Information

URL: <http://www.addgene.org/35681>

Proper Citation: RRID:Addgene_35681

Insert Name: MRLC1

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:22136066](#)

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

Comments: This plasmid is identical to the one published in Beach et al., 2011, except the tet-inducible promoter has been replaced with a constitutive CMV promoter.

Plasmid Name: pEGFP-MRLC T18A,S19A

Relevant Mutation: T18A and S19A

Record Creation Time: 20220422T222152+0000

Record Last Update: 20260815T081407+0000

Ratings and Alerts

No rating or validation information has been found for pEGFP-MRLC T18A,S19A.

No alerts have been found for pEGFP-MRLC T18A,S19A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

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.

Priya R, et al. (2020) Tension heterogeneity directs form and fate to pattern the myocardial wall. *Nature*, 588(7836), 130.

Williams KC, et al. (2019) Invadopodia are chemosensing protrusions that guide cancer cell extravasation to promote brain tropism in metastasis. *Oncogene*, 38(19), 3598.

Chang F, et al. (2018) MTA promotes chemotaxis and chemokinesis of immune cells through distinct calcium-sensing receptor signaling pathways. *Biomaterials*, 150, 14.

Lomakin AJ, et al. (2015) Competition for actin between two distinct F-actin networks defines a bistable switch for cell polarization. *Nature cell biology*, 17(11), 1435.