

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

p3xFLAG-MKL1

RRID:Addgene_11978

Type: Plasmid

Proper Citation

RRID:Addgene_11978

Plasmid Information

URL: <http://www.addgene.org/11978>

Proper Citation: RRID:Addgene_11978

Insert Name: MKL1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12944485](#)

Vector Backbone Description: Backbone Marker:Sigma; Backbone Size:4700; Vector Backbone:pCMV-3xFLAG-7.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: p3xFLAG-MKL1

Relevant Mutation: N579S T716A

Record Creation Time: 20220422T221626+0000

Record Last Update: 20260815T080315+0000

Ratings and Alerts

No rating or validation information has been found for p3xFLAG-MKL1.

No alerts have been found for p3xFLAG-MKL1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Guo C, et al. (2023) In vivo proximity proteomics uncovers palmdelphin (PALMD) as a Z-line-associated mitigator of isoproterenol-induced cardiac injury. bioRxiv : the preprint server for biology.

Uetaki M, et al. (2022) Regulatory roles of fibronectin and integrin $\alpha 5$ in reorganization of the actin cytoskeleton and completion of adipogenesis. Molecular biology of the cell, 33(9), ar78.

Liu L, et al. (2021) Regulation of the Muscarinic M3 Receptor by Myocardin-Related Transcription Factors. Frontiers in physiology, 12, 710968.

Liu L, et al. (2021) Cell Type Dependent Suppression of Inflammatory Mediators by Myocardin Related Transcription Factors. Frontiers in physiology, 12, 732564.

Misek SA, et al. (2020) Rho-mediated signaling promotes BRAF inhibitor resistance in de-differentiated melanoma cells. Oncogene, 39(7), 1466.

Zhang JZ, et al. (2020) Histamine-induced biphasic activation of RhoA allows for persistent RhoA signaling. PLoS biology, 18(9), e3000866.

Ronkina N, et al. (2016) Stress-dependent phosphorylation of myocardin-related transcription factor A (MRTF-A) by the p38(MAPK)/MK2 axis. Scientific reports, 6, 31219.

Torr EE, et al. (2015) Myofibroblasts exhibit enhanced fibronectin assembly that is intrinsic to their contractile phenotype. The Journal of biological chemistry, 290(11), 6951.

Nobusue H, et al. (2014) Regulation of MKL1 via actin cytoskeleton dynamics drives adipocyte differentiation. Nature communications, 5, 3368.