

Resource Summary Report

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

pCMV-myc-ERK2-MEK1_fusion

RRID:Addgene_39194

Type: Plasmid

Proper Citation

RRID:Addgene_39194

Plasmid Information

URL: <http://www.addgene.org/39194>

Proper Citation: RRID:Addgene_39194

Insert Name: ERK2-MEK1 Fusion

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9799732](#)

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pCMV5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: rat ERK2 fused to human MEK1 with a linker in between

Plasmid Name: pCMV-myc-ERK2-MEK1_fusion

Record Creation Time: 20220422T222204+0000

Record Last Update: 20260815T081426+0000

Ratings and Alerts

No rating or validation information has been found for pCMV-myc-ERK2-MEK1_fusion.

No alerts have been found for pCMV-myc-ERK2-MEK1_fusion.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Keen AN, et al. (2022) Eukaryotic initiation factor 6 regulates mechanical responses in endothelial cells. *The Journal of cell biology*, 221(2).

Park J, et al. (2022) ERK phosphorylation disrupts the intramolecular interaction of capicua to promote cytoplasmic translocation of capicua and tumor growth. *Frontiers in molecular biosciences*, 9, 1030725.

Tsuboi D, et al. (2022) Dopamine drives neuronal excitability via KCNQ channel phosphorylation for reward behavior. *Cell reports*, 40(10), 111309.

Li Y, et al. (2020) NIK links inflammation to hepatic steatosis by suppressing PPAR γ in alcoholic liver disease. *Theranostics*, 10(8), 3579.

Du L, et al. (2019) Transforming growth factor- β downregulates sGC subunit expression in pulmonary artery smooth muscle cells via MEK and ERK signaling. *American journal of physiology. Lung cellular and molecular physiology*, 316(1), L20.

Liu S, et al. (2019) Involvement of Phosphatase and Tensin Homolog in Cyclin-Dependent Kinase 4/6 Inhibitor-Induced Blockade of Glioblastoma. *Frontiers in pharmacology*, 10, 1316.

Li C, et al. (2017) Somatodendritic accumulation of Tau in Alzheimer's disease is promoted by Fyn-mediated local protein translation. *The EMBO journal*, 36(21), 3120.