

Resource Summary Report

Generated by [dkNET](#) on Sep 6, 2026

pMT ERK1

RRID:Addgene_12656

Type: Plasmid

Proper Citation

RRID:Addgene_12656

Plasmid Information

URL: <http://www.addgene.org/12656>

Proper Citation: RRID:Addgene_12656

Insert Name: ERK1

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:5100; Vector Backbone:pMT; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pMT ERK1

Record Creation Time: 20220422T221704+0000

Record Last Update: 20260905T074648+0000

Ratings and Alerts

No rating or validation information has been found for pMT ERK1.

No alerts have been found for pMT ERK1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Xie M, et al. (2021) Sublytic C5b-9 induces glomerular mesangial cell proliferation via ERK1/2-dependent SOX9 phosphorylation and acetylation by enhancing Cyclin D1 in rat Thy-1 nephritis. *Experimental & molecular medicine*, 53(4), 572.

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

Huang H, et al. (2014) Extracellular signal-regulated kinase activation during cardiac hypertrophy reduces sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (SERCA2) transcription. *Journal of molecular and cellular cardiology*, 75, 58.

Tyagarajan SK, et al. (2013) Extracellular signal-regulated kinase and glycogen synthase kinase 3 β regulate gephyrin postsynaptic aggregation and GABAergic synaptic function in a calpain-dependent mechanism. *The Journal of biological chemistry*, 288(14), 9634.