

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pcDNA3-T7-ERK1

RRID:Addgene_14440

Type: Plasmid

Proper Citation

RRID:Addgene_14440

Plasmid Information

URL: <http://www.addgene.org/14440>

Proper Citation: RRID:Addgene_14440

Insert Name: ERK1

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5446;
Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial
Resistance:Ampicillin

Comments: T7 tag is MASMTGGQQMG. Made by Sejeong Shin.

Plasmid Name: pcDNA3-T7-ERK1

Record Creation Time: 20220422T221817+0000

Record Last Update: 20260815T080652+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3-T7-ERK1.

No alerts have been found for pcDNA3-T7-ERK1.

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](#) .

Behera S, et al. (2018) ERK1/2 activated PHLPP1 induces skeletal muscle ER stress through the inhibition of a novel substrate AMPK. *Biochimica et biophysica acta. Molecular basis of disease*, 1864(5 Pt A), 1702.

Hiyama A, et al. (2018) CCN family member 2/connective tissue growth factor (CCN2/CTGF) is regulated by Wnt- β -catenin signaling in nucleus pulposus cells. *Arthritis research & therapy*, 20(1), 217.

Hiyama A, et al. (2016) CCAAT/enhancer binding protein β regulates the expression of tumor necrosis factor- α in the nucleus pulposus cells. *Journal of orthopaedic research : official publication of the Orthopaedic Research Society*, 34(5), 865.

Schwarz J, et al. (2014) Polo-like kinase 2, a novel ADAM17 signaling component, regulates tumor necrosis factor α ectodomain shedding. *The Journal of biological chemistry*, 289(5), 3080.

Rao VH, et al. (2012) A positive feedback loop between HER2 and ADAM12 in human head and neck cancer cells increases migration and invasion. *Oncogene*, 31(23), 2888.