

Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

pCMV5-rat ERK2-WT

RRID:Addgene_40812

Type: Plasmid

Proper Citation

RRID:Addgene_40812

Plasmid Information

URL: <http://www.addgene.org/40812>

Proper Citation: RRID:Addgene_40812

Insert Name: MAPK1

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17114285](#)

Vector Backbone Description: Backbone Marker:David Russell, UTSW; Backbone Size:4700; Vector Backbone:pCMV5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCMV5-rat ERK2-WT

Relevant Mutation: wild type

Record Creation Time: 20220422T222211+0000

Record Last Update: 20260815T081439+0000

Ratings and Alerts

No rating or validation information has been found for pCMV5-rat ERK2-WT.

No alerts have been found for pCMV5-rat ERK2-WT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Virard F, et al. (2024) Targeting ERK-MYD88 interaction leads to ERK dysregulation and immunogenic cancer cell death. Nature communications, 15(1), 7037.

Khongsti K, et al. (2021) MAPK pathway and SIRT1 are involved in the down-regulation of secreted osteopontin expression by genistein in metastatic cancer cells. Life sciences, 265, 118787.

Murakoshi H, et al. (2015) A dark green fluorescent protein as an acceptor for measurement of Förster resonance energy transfer. Scientific reports, 5, 15334.