

# Resource Summary Report

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

## pCMV5-rat ERK2-L73P/S151D

RRID:Addgene\_40819

Type: Plasmid

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### Proper Citation

RRID:Addgene\_40819

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### Plasmid Information

**URL:** <http://www.addgene.org/40819>

**Proper Citation:** RRID:Addgene\_40819

**Insert Name:** MAPK1

**Organism:** Rattus norvegicus

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:11591711](#)

**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-L73P/S151D

**Relevant Mutation:** L73P, S151D

**Record Creation Time:** 20220422T222211+0000

**Record Last Update:** 20260815T081439+0000

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### Ratings and Alerts

No rating or validation information has been found for pCMV5-rat ERK2-L73P/S151D.

No alerts have been found for pCMV5-rat ERK2-L73P/S151D.

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### 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](#) .

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.

Gao X, et al. (2017) MAP4K4 is a novel MAPK/ERK pathway regulator required for lung adenocarcinoma maintenance. Molecular oncology, 11(6), 628.

Hall ET, et al. (2015) Ras-activated Dsor1 promotes Wnt signaling in Drosophila development. Journal of cell science, 128(24), 4499.