

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

pFLAG-CMV-hErk1

RRID:Addgene_49328

Type: Plasmid

Proper Citation

RRID:Addgene_49328

Plasmid Information

URL: <http://www.addgene.org/49328>

Proper Citation: RRID:Addgene_49328

Insert Name: Erk1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Vector Backbone Description: Vector Backbone:p3xFLAG-CMV7.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pFLAG-CMV-hErk1

Record Creation Time: 20220422T222254+0000

Record Last Update: 20260725T074757+0000

Ratings and Alerts

No rating or validation information has been found for pFLAG-CMV-hErk1.

No alerts have been found for pFLAG-CMV-hErk1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Srivastava J, et al. (2025) Blocking Nitrosylation Induces Immunogenic Cell Death by Sensitizing NRAS-Mutant Melanoma to MEK Inhibitors. *Cancer research*, 85(12), 2268.

Azizi SA, et al. (2023) Regulation of ERK2 activity by dynamic S-acylation. *Cell reports*, 42(9), 113135.

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

Stefanoska K, et al. (2022) Alzheimer's disease: Ablating single master site abolishes tau hyperphosphorylation. *Science advances*, 8(27), eabl8809.

Zhu G, et al. (2021) TRIM15 and CYLD regulate ERK activation via lysine-63-linked polyubiquitination. *Nature cell biology*, 23(9), 978.

Lin YK, et al. (2020) Negative MAPK-ERK regulation sustains CIC-DUX4 oncoprotein expression in undifferentiated sarcoma. *Proceedings of the National Academy of Sciences of the United States of America*, 117(34), 20776.

Qu H, et al. (2020) Berberine reduces temozolomide resistance by inducing autophagy via the ERK1/2 signaling pathway in glioblastoma. *Cancer cell international*, 20(1), 592.

Kon E, et al. (2019) N-cadherin-regulated FGFR ubiquitination and degradation control mammalian neocortical projection neuron migration. *eLife*, 8.

Sabbir MG, et al. (2019) Progesterone induced Warburg effect in HEK293 cells is associated with post-translational modifications and proteasomal degradation of progesterone receptor membrane component 1. *The Journal of steroid biochemistry and molecular biology*, 191, 105376.

Oh SE, et al. (2018) The Parkinson's disease gene product DJ-1 modulates miR-221 to promote neuronal survival against oxidative stress. *Redox biology*, 19, 62.

Chen X, et al. (2015) Fibulin-5 inhibits Wnt/??-catenin signaling in lung cancer. *Oncotarget*, 6(17), 15022.