

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

pCDNA3-Flag MKK6(K82A)

RRID:Addgene_13519

Type: Plasmid

Proper Citation

RRID:Addgene_13519

Plasmid Information

URL: <http://www.addgene.org/13519>

Proper Citation: RRID:Addgene_13519

Insert Name: MKK6(K82A)

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:8622669](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5446; Vector Backbone:pCDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note there are 3 additional mutations found in the QC sequence that are not present in the NGS full sequencing result. These mutations have no affect on the plasmid function.

Plasmid Name: pCDNA3-Flag MKK6(K82A)

Relevant Mutation: Lys-82Ala

Record Creation Time: 20220422T221746+0000

Record Last Update: 20260725T073849+0000

Ratings and Alerts

No rating or validation information has been found for pCDNA3-Flag MKK6(K82A).

No alerts have been found for pCDNA3-Flag MKK6(K82A).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Sellers J, et al. (2021) Fasting-Induced Upregulation of MKP-1 Modulates the Hepatic Response to Feeding. *Nutrients*, 13(11).

Fischer K, et al. (2020) The scaffold protein p62 regulates adaptive thermogenesis through ATF2 nuclear target activation. *Nature communications*, 11(1), 2306.

Rahman SMT, et al. (2020) Optical control of MAP kinase kinase 6 (MKK6) reveals that it has divergent roles in pro-apoptotic and anti-proliferative signaling. *The Journal of biological chemistry*, 295(25), 8494.

Basken J, et al. (2018) Specificity of Phosphorylation Responses to Mitogen Activated Protein (MAP) Kinase Pathway Inhibitors in Melanoma Cells. *Molecular & cellular proteomics : MCP*, 17(4), 550.

Xiong G, et al. (2017) The PERK arm of the unfolded protein response regulates satellite cell-mediated skeletal muscle regeneration. *eLife*, 6.

Quesada-Lopez T, et al. (2016) The lipid sensor GPR120 promotes brown fat activation and FGF21 release from adipocytes. *Nature communications*, 7, 13479.

Li L, et al. (2015) p38 MAP kinase-dependent phosphorylation of the Gp78 E3 ubiquitin ligase controls ER-mitochondria association and mitochondria motility. *Molecular biology of the cell*, 26(21), 3828.

Lawan A, et al. (2015) Hepatic mitogen-activated protein kinase phosphatase 1 selectively regulates glucose metabolism and energy homeostasis. *Molecular and cellular biology*, 35(1), 26.

Ribas F, et al. (2014) FGF21 expression and release in muscle cells: involvement of MyoD and regulation by mitochondria-driven signalling. *The Biochemical journal*, 463(2), 191.

Blue EK, et al. (2014) Gestational diabetes induces alterations in the function of neonatal endothelial colony-forming cells. *Pediatric research*, 75(2), 266.

Hondares E, et al. (2011) Thermogenic activation induces FGF21 expression and release in brown adipose tissue. *The Journal of biological chemistry*, 286(15), 12983.

Tsuchimochi K, et al. (2010) GADD45beta enhances Col10a1 transcription via the MTK1/MKK3/6/p38 axis and activation of C/EBPbeta-TAD4 in terminally differentiating chondrocytes. *The Journal of biological chemistry*, 285(11), 8395.