

Resource Summary Report

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

pcDNA3 MEKK1 WT

RRID:Addgene_12181

Type: Plasmid

Proper Citation

RRID:Addgene_12181

Plasmid Information

URL: <http://www.addgene.org/12181>

Proper Citation: RRID:Addgene_12181

Insert Name: MEKK1

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9528810](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5500; Vector Backbone:pcDNA3.1/HisB; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note that Addgene's sequencing results identified a V1467L mutation in the MEKK1 sequence when compared to GenBank ID AF117340.1. The depositing laboratory states that this plasmid functions exactly as intended and the mutation may represent a valid polymorphism.

Plasmid Name: pcDNA3 MEKK1 WT

Relevant Mutation: V1467L

Record Creation Time: 20220422T221637+0000

Record Last Update: 20260815T080338+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3 MEKK1 WT.

No alerts have been found for pcDNA3 MEKK1 WT.

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](#) .

Ganga AK, et al. (2024) A disease-associated PPP2R3C-MAP3K1 phospho-regulatory module controls centrosome function. bioRxiv : the preprint server for biology.

Ganga AK, et al. (2024) A disease-associated PPP2R3C-MAP3K1 phospho-regulatory module controls centrosome function. Current biology : CB, 34(20), 4824.

Didan Y, et al. (2024) Stress pathway outputs are encoded by pH-dependent clustering of kinase components. Nature communications, 15(1), 6614.

Tripathi R, et al. (2020) Combating acquired resistance to MAPK inhibitors in melanoma by targeting Abl1/2-mediated reactivation of MEK/ERK/MYC signaling. Nature communications, 11(1), 5463.

Grotter??d I, et al. (2010) Signal transduction mechanisms involved in S100A4-induced activation of the transcription factor NF-kappaB. BMC cancer, 10, 241.