

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

MEK1 (S218D,S222D)-pcw107

RRID:Addgene_64604

Type: Plasmid

Proper Citation

RRID:Addgene_64604

Plasmid Information

URL: <http://www.addgene.org/64604>

Proper Citation: RRID:Addgene_64604

Insert Name: MAP2K1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25538079](#)

Vector Backbone Description: Backbone Marker:John Doench/Kathleen Ottina;
Backbone Size:9240; Vector Backbone:pcw107 (V5); Vector Types:Lentiviral; Bacterial
Resistance:Ampicillin

Comments: ATGA (N-term barcode, 17 nt upstream of CDS start). Working name: CTK-A3-V5

Plasmid Name: MEK1 (S218D,S222D)-pcw107

Relevant Mutation: S218D, S222D

Record Creation Time: 20220422T222409+0000

Record Last Update: 20260815T081811+0000

Ratings and Alerts

No rating or validation information has been found for MEK1 (S218D,S222D)-pcw107.

No alerts have been found for MEK1 (S218D,S222D)-pcw107.

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 [NIF](#) .

Fan Y, et al. (2021) Molecular control of cell density-mediated exit to quiescence. Cell reports, 36(4), 109436.

Yu VZ, et al. (2021) Gain-of-function hot spot mutant p53R248Q regulation of integrin/FAK/ERK signaling in esophageal squamous cell carcinoma. Translational oncology, 14(1), 100982.

Kobelt D, et al. (2021) The newly identified MEK1 tyrosine phosphorylation target MACC1 is druggable by approved MEK1 inhibitors to restrict colorectal cancer metastasis. Oncogene, 40(34), 5286.