

Resource Summary Report

Generated by [NIF](#) on Sep 23, 2026

pDONR223-MAP2K1

RRID:Addgene_23406

Type: Plasmid

Proper Citation

RRID:Addgene_23406

Plasmid Information

URL: <http://www.addgene.org/23406>

Proper Citation: RRID:Addgene_23406

Insert Name: MAP2K1

Organism: Homo sapiens

Bacterial Resistance: Spectinomycin

Defining Citation: [PMID:21107320](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5005; Vector Backbone:pDONR223; Vector Types:Gateway Cloning; Bacterial Resistance:Spectinomycin

Comments: The ORF has no Stop codon. This design enables easy recombination into a destination vector to add an epitope tag of choice and Stop codon to the ORF. Do NOT use this plasmid directly for transfections. A set of 4 custom lentiviral vectors is available (pLX301 (<http://www.addgene.org/25895/>) , pLX302 (<http://www.addgene.org/25896/>) , pLX303 (<http://www.addgene.org/25897/>) , pLX304 (<http://www.addgene.org/25890/>)) to be used to express these ORFs in mammalian cells. These plasmids are not included in the kit and must be ordered separately.

Plasmid Name: pDONR223-MAP2K1

Record Creation Time: 20220422T222104+0000

Record Last Update: 20260919T091555+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-MAP2K1.

No alerts have been found for pDONR223-MAP2K1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Brady DC, et al. (2017) Copper Chelation Inhibits BRAFV600E-Driven Melanomagenesis and Counters Resistance to BRAFV600E and MEK1/2 Inhibitors. Cancer research, 77(22), 6240.

Yao W, et al. (2016) Expression of Death Receptor 4 Is Positively Regulated by MEK/ERK/AP-1 Signaling and Suppressed upon MEK Inhibition. The Journal of biological chemistry, 291(41), 21694.