

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pDONR223-MAP2K2

RRID:Addgene_23555

Type: Plasmid

Proper Citation

RRID:Addgene_23555

Plasmid Information

URL: <http://www.addgene.org/23555>

Proper Citation: RRID:Addgene_23555

Insert Name: MAP2K2

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-MAP2K2

Record Creation Time: 20220422T222104+0000

Record Last Update: 20260725T074441+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-MAP2K2.

No alerts have been found for pDONR223-MAP2K2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 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.

Van Allen EM, et al. (2014) The genetic landscape of clinical resistance to RAF inhibition in metastatic melanoma. Cancer discovery, 4(1), 94.

Wuchter J, et al. (2012) A comprehensive small interfering RNA screen identifies signaling pathways required for gephyrin clustering. The Journal of neuroscience : the official journal of the Society for Neuroscience, 32(42), 14821.