Resource Summary Report

Generated by dkNET on Jul 30, 2026

pDONR223-K-RAS V12

RRID:Addgene_31200
Type: Plasmid

Proper Citation

RRID:Addgene_31200

Plasmid Information

URL: http://www.addgene.org/31200

Proper Citation: RRID:Addgene_31200

Insert Name: K-Ras

Organism: Homo sapiens

Bacterial Resistance: Spectinomycin

Defining Citation: PMID:21706014

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

Comments: Do NOT use this plasmid directly for transfections, you will need to recombine it into a destination vector. A set of 4 custom lentiviral vectors is available (http://www.addgene.org/25895, http://www.addgene.org/25896, http://www.addgene.org/25897, 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-K-RAS V12

Relevant Mutation: G12V constitutively active

Record Creation Time: 20220422T222135+0000

Record Last Update: 20260725T074541+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-K-RAS V12.

No alerts have been found for pDONR223-K-RAS V12.

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 dkNET .

Schild T, et al. (2021) NADK is activated by oncogenic signaling to sustain pancreatic ductal adenocarcinoma. Cell reports, 35(11), 109238.

Cantor JR, et al. (2017) Physiologic Medium Rewires Cellular Metabolism and Reveals Uric Acid as an Endogenous Inhibitor of UMP Synthase. Cell, 169(2), 258.

Popovic M, et al. (2013) Selectivity of CDC25 homology domain-containing guanine nucleotide exchange factors. Journal of molecular biology, 425(15), 2782.