

Resource Summary Report

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

pDONR223-HK2

RRID:Addgene_23854

Type: Plasmid

Proper Citation

RRID:Addgene_23854

Plasmid Information

URL: <http://www.addgene.org/23854>

Proper Citation: RRID:Addgene_23854

Insert Name: HK2

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-HK2

Record Creation Time: 20220422T222106+0000

Record Last Update: 20260815T081225+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-HK2.

No alerts have been found for pDONR223-HK2.

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 [RRID](#) .

Wu Z, et al. (2020) Dioscin Inhibited Glycolysis and Induced Cell Apoptosis in Colorectal Cancer via Promoting c-myc Ubiquitination and Subsequent Hexokinase-2 Suppression. *OncoTargets and therapy*, 13, 31.

Anderson M, et al. (2017) Hexokinase 2 promotes tumor growth and metastasis by regulating lactate production in pancreatic cancer. *Oncotarget*, 8(34), 56081.

McCoy MK, et al. (2014) Hexokinase activity is required for recruitment of parkin to depolarized mitochondria. *Human molecular genetics*, 23(1), 145.