

Resource Summary Report

Generated by [NIF](#) on Sep 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: 20260919T091601+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 [NIF](#) .

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.