

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

pDONR223-BCKDK

RRID:Addgene_23794

Type: Plasmid

Proper Citation

RRID:Addgene_23794

Plasmid Information

URL: <http://www.addgene.org/23794>

Proper Citation: RRID:Addgene_23794

Insert Name: BCKDK

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-BCKDK

Record Creation Time: 20220422T222106+0000

Record Last Update: 20260815T081224+0000

Ratings and Alerts

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

No alerts have been found for pDONR223-BCKDK.

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 [RRID](#) .

Li H, et al. (2022) BCKDK Promotes Ovarian Cancer Proliferation and Migration by Activating the MEK/ERK Signaling Pathway. Journal of oncology, 2022, 3691635.

Xue P, et al. (2017) BCKDK of BCAA Catabolism Cross-talking With the MAPK Pathway Promotes Tumorigenesis of Colorectal Cancer. EBioMedicine, 20, 50.