

# Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

## pDONR223-BCKDK

RRID:Addgene\_23794

Type: Plasmid

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### Proper Citation

RRID:Addgene\_23794

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### 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:** 20260919T091600+0000

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### Ratings and Alerts

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

No alerts have been found for pDONR223-BCKDK.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [NIF](#) .

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.