

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pDONR223-BUB1B

RRID:Addgene_23858

Type: Plasmid

Proper Citation

RRID:Addgene_23858

Plasmid Information

URL: <http://www.addgene.org/23858>

Proper Citation: RRID:Addgene_23858

Insert Name: BUB1B

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-BUB1B

Record Creation Time: 20220422T222106+0000

Record Last Update: 20260725T074445+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-BUB1B.

No alerts have been found for pDONR223-BUB1B.

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 [NIF](#) .

Yuki R, et al. (2026) Targeting the splicing factor CWC22 induces mitotic slippage through repression of BubR1 expression and CDK1 activity in cancer cells. The Journal of biological chemistry, 111148.

Yang S, et al. (2015) Oncoprotein YAP regulates the spindle checkpoint activation in a mitotic phosphorylation-dependent manner through up-regulation of BubR1. The Journal of biological chemistry, 290(10), 6191.