

Resource Summary Report

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

pDONR223-RIOK2

RRID:Addgene_23535

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/23535>

Proper Citation: RRID:Addgene_23535

Insert Name: RIOK2

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-RIOK2

Relevant Mutation: C430T, T447A,T453A,1MM

Record Creation Time: 20220422T222104+0000

Record Last Update: 20260815T081221+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-RIOK2.

No alerts have been found for pDONR223-RIOK2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Fusco CM, et al. (2025) Neuronal processes contain the essential components for the late steps of ribosome biogenesis. Proceedings of the National Academy of Sciences of the United States of America, 122(31), e2502424122.