

# Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

## pDONR223-MCU

RRID:Addgene\_31726

Type: Plasmid

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### Proper Citation

RRID:Addgene\_31726

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### Plasmid Information

**URL:** <http://www.addgene.org/31726>

**Proper Citation:** RRID:Addgene\_31726

**Insert Name:** MCU

**Organism:** Homo sapiens

**Bacterial Resistance:** Spectinomycin

**Defining Citation:** [PMID:21685886](#)

**Vector Backbone Description:** Backbone Marker:Invitrogen; Backbone Size:2787; Vector Backbone:pDONR223; Vector Types:pDONR Gateway; Bacterial Resistance:Spectinomycin

**Comments:** \*A3T aa residue substitution in MCU, which is not known to affect protein function

**Plasmid Name:** pDONR223-MCU

**Relevant Mutation:** \*

**Record Creation Time:** 20220422T222137+0000

**Record Last Update:** 20260815T081339+0000

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### Ratings and Alerts

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

No alerts have been found for pDONR223-MCU.

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### Data and Source Information

Source: [Addgene](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Luptak I, et al. (2019) Genetically targeted fluorescent probes reveal dynamic calcium responses to adrenergic signaling in multiple cardiomyocyte compartments. The international journal of biochemistry & cell biology, 114, 105569.