

Resource Summary Report

Generated by [dkNET](#) on Jul 31, 2026

pDONR223-MCU

RRID:Addgene_31726

Type: Plasmid

Proper Citation

RRID:Addgene_31726

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: 20260725T074545+0000

Ratings and Alerts

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

No alerts have been found for pDONR223-MCU.

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 [dkNET](#) .

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.