Resource Summary Report

Generated by dkNET on Aug 1, 2026

pDONR223-PIP5K2C

RRID:Addgene_23450
Type: Plasmid

Proper Citation

RRID:Addgene_23450

Plasmid Information

URL: http://www.addgene.org/23450

Proper Citation: RRID:Addgene_23450

Insert Name: PIP5K2C

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-PIP5K2C

Relevant Mutation: 1MM

Record Creation Time: 20220422T222104+0000

Record Last Update: 20260801T081023+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-PIP5K2C.

No alerts have been found for pDONR223-PIP5K2C.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Karim M, et al. (2025) PIP4K2C inhibition reverses autophagic flux impairment induced by SARS-CoV-2. Nature communications, 16(1), 6397.

Rogava M, et al. (2024) Loss of Pip4k2c confers liver-metastatic organotropism through insulin-dependent PI3K-AKT pathway activation. Nature cancer, 5(3), 433.

Karim M, et al. (2024) PIP4K2C inhibition reverses autophagic flux impairment induced by SARS-CoV-2. bioRxiv : the preprint server for biology.