Resource Summary Report

Generated by NIF on Sep 22, 2026

pDONR223-PIK4CB

RRID:Addgene_23839
Type: Plasmid

Proper Citation

RRID:Addgene_23839

Plasmid Information

URL: http://www.addgene.org/23839

Proper Citation: RRID:Addgene_23839

Insert Name: PIK4CB

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. Addgene QC NGS analysis identifies a G799D mutation relative to NP_001185702.1. As the Kinase ORFeome collection has been generated by high throughput methods using RNA from different tissues and sources, it is possible that this is a tissue specific isoform.

Plasmid Name: pDONR223-PIK4CB

Relevant Mutation: 1MM, G799D

Record Creation Time: 20220422T222106+0000

Record Last Update: 20260919T091601+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-PIK4CB.

No alerts have been found for pDONR223-PIK4CB.

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 NIF .

Miller TE, et al. (2019) Depletion of phosphatidylinositol 4-phosphate at the Golgi translocates K-Ras to mitochondria. Journal of cell science, 132(16).