

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

pDONR223-PFKFB3

RRID:Addgene_23668

Type: Plasmid

Proper Citation

RRID:Addgene_23668

Plasmid Information

URL: <http://www.addgene.org/23668>

Proper Citation: RRID:Addgene_23668

Insert Name: PFKFB3

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-PFKFB3

Record Creation Time: 20220422T222105+0000

Record Last Update: 20260919T091558+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-PFKFB3.

No alerts have been found for pDONR223-PFKFB3.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

La Belle Flynn A, et al. (2019) Autophagy inhibition elicits emergence from metastatic dormancy by inducing and stabilizing Pfkfb3 expression. Nature communications, 10(1), 3668.

Cordero-Espinoza L, et al. (2013) Increased concentrations of fructose 2,6-bisphosphate contribute to the Warburg effect in phosphatase and tensin homolog (PTEN)-deficient cells. The Journal of biological chemistry, 288(50), 36020.