

Resource Summary Report

Generated by [dkNET](#) on Aug 2, 2026

pDONR223-PAK1

RRID:Addgene_23543

Type: Plasmid

Proper Citation

RRID:Addgene_23543

Plasmid Information

URL: <http://www.addgene.org/23543>

Proper Citation: RRID:Addgene_23543

Insert Name: PAK1

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-PAK1

Record Creation Time: 20220422T222104+0000

Record Last Update: 20260801T081024+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-PAK1.

No alerts have been found for pDONR223-PAK1.

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 [dkNET](#) .

Qi Y, et al. (2025) PI(3,4,5)P3-mediated Cdc42 activation regulates macrophage podosome assembly. Cellular and molecular life sciences : CMLS, 82(1), 127.

Skjesol A, et al. (2019) The TLR4 adaptor TRAM controls the phagocytosis of Gram-negative bacteria by interacting with the Rab11-family interacting protein 2. PLoS pathogens, 15(3), e1007684.