

Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

pDONR223-PAK2

RRID:Addgene_23655

Type: Plasmid

Proper Citation

RRID:Addgene_23655

Plasmid Information

URL: <http://www.addgene.org/23655>

Proper Citation: RRID:Addgene_23655

Insert Name: PAK2

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-PAK2

Record Creation Time: 20220422T222105+0000

Record Last Update: 20260815T081222+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-PAK2.

No alerts have been found for pDONR223-PAK2.

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 [RRID](#) .

Tyler JJ, et al. (2025) A role for class I p21-activated kinases in the regulation of the excitability of the actin cytoskeleton. *Journal of cell science*, 138(12).

Gao X, et al. (2022) Lyso-PAF, a biologically inactive phospholipid, contributes to RAF1 activation. *Molecular cell*, 82(11), 1992.

Reddy PN, et al. (2016) p21-activated kinase 2 regulates HSPC cytoskeleton, migration, and homing via CDC42 activation and interaction with ??-Pix. *Blood*, 127(16), 1967.