

Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

pDONR223-PRKAR1A

RRID:Addgene_23741

Type: Plasmid

Proper Citation

RRID:Addgene_23741

Plasmid Information

URL: <http://www.addgene.org/23741>

Proper Citation: RRID:Addgene_23741

Insert Name: PRKAR1A

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-PRKAR1A

Record Creation Time: 20220422T222105+0000

Record Last Update: 20260919T091559+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-PRKAR1A.

No alerts have been found for pDONR223-PRKAR1A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Mukherjee S, et al. (2024) 14-3-3 interaction with phosphodiesterase 8A sustains PKA signaling and downregulates the MAPK pathway. The Journal of biological chemistry, 300(3), 105725.

May EA, et al. (2021) Time-resolved proteomics profiling of the ciliary Hedgehog response. The Journal of cell biology, 220(5).

King CR, et al. (2016) Functional and Structural Mimicry of Cellular Protein Kinase A Anchoring Proteins by a Viral Oncoprotein. PLoS pathogens, 12(5), e1005621.

Chen HM, et al. (2014) Transcripts involved in calcium signaling and telencephalic neuronal fate are altered in induced pluripotent stem cells from bipolar disorder patients. Translational psychiatry, 4(3), e375.