

Resource Summary Report

Generated by [NIF](#) on Sep 23, 2026

pDONR223-CAMK2A

RRID:Addgene_23408

Type: Plasmid

Proper Citation

RRID:Addgene_23408

Plasmid Information

URL: <http://www.addgene.org/23408>

Proper Citation: RRID:Addgene_23408

Insert Name: CAMK2A

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-CAMK2A

Record Creation Time: 20220422T222104+0000

Record Last Update: 20260919T091555+0000

Ratings and Alerts

No rating or validation information has been found for pDONR223-CAMK2A.

No alerts have been found for pDONR223-CAMK2A.

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](#) .

Lu?i? I, et al. (2023) Controlling the interaction between CaMKII and Calmodulin with a photocrosslinking unnatural amino acid. Protein science : a publication of the Protein Society, 32(11), e4798.

Ventura E, et al. (2021) RBL1/p107 Expression Levels Are Modulated by Multiple Signaling Pathways. Cancers, 13(19).

Sim KM, et al. (2020) Suppression of CaMKII? Inhibits ANO1-Mediated Glioblastoma Progression. Cells, 9(5).

Royer L, et al. (2018) The Ras-like GTPase Rem2 is a potent inhibitor of calcium/calmodulin-dependent kinase II activity. The Journal of biological chemistry, 293(38), 14798.