

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

PKC beta I dNPS

RRID:Addgene_16379

Type: Plasmid

Proper Citation

RRID:Addgene_16379

Plasmid Information

URL: <http://www.addgene.org/16379>

Proper Citation: RRID:Addgene_16379

Insert Name: PKC beta 1

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12794082](#)

Vector Backbone Description: Backbone Size:5400; Vector Backbone:pHACE; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: From user-provided sequence (see 'Reviews'), there are five amino acid differences from one of two NCBI reference sequences (AAA41868.1 and NP_001165776.1): 25A, 62F, 64K, 69C, and 294G. These "mutations" are also present in human, bovine, and xenopus sequences. An additional C-terminal mutation, H579Y, is present. These mutations are not believed to affect function.

Plasmid Name: PKC beta I dNPS

Relevant Mutation: N-terminal pseudosubstrate domain deletion: aa 30-671

Record Creation Time: 20220422T221926+0000

Record Last Update: 20260725T074149+0000

Ratings and Alerts

No rating or validation information has been found for PKC beta I dNPS.

No alerts have been found for PKC beta I dNPS.

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](#) .

Wesley CC, et al. (2024) Protein kinase C activity modulates nuclear Lamin A/C dynamics in HeLa cells. Scientific reports, 14(1), 6388.

Edens LJ, et al. (2014) cPKC regulates interphase nuclear size during Xenopus development. The Journal of cell biology, 206(4), 473.