

Resource Summary Report

Generated by [dkNET](#) on Sep 4, 2026

PKC beta I DN

RRID:Addgene_16381

Type: Plasmid

Proper Citation

RRID:Addgene_16381

Plasmid Information

URL: <http://www.addgene.org/16381>

Proper Citation: RRID:Addgene_16381

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 and are therefore not believed to affect function.

Plasmid Name: PKC beta I DN

Relevant Mutation: Dominant negative (kinase inactive): K371R

Record Creation Time: 20220422T221926+0000

Record Last Update: 20260902T042637+0000

Ratings and Alerts

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

No alerts have been found for PKC beta I DN.

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 [dkNET](#) .

Wang W, et al. (2022) Sensing plasma membrane pore formation induces chemokine production in survivors of regulated necrosis. *Developmental cell*, 57(2), 228.

Liu Z, et al. (2019) Induction of store-operated calcium entry (SOCE) suppresses glioblastoma growth by inhibiting the Hippo pathway transcriptional coactivators YAP/TAZ. *Oncogene*, 38(1), 120.

Benseddik K, et al. (2013) ErbB2-dependent chemotaxis requires microtubule capture and stabilization coordinated by distinct signaling pathways. *PloS one*, 8(1), e55211.