

# Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

## PKC beta I WT

RRID:Addgene\_16378

Type: Plasmid

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### Proper Citation

RRID:Addgene\_16378

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### Plasmid Information

**URL:** <http://www.addgene.org/16378>

**Proper Citation:** RRID:Addgene\_16378

**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 WT

**Record Creation Time:** 20220422T221926+0000

**Record Last Update:** 20260815T080915+0000

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### Ratings and Alerts

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

No alerts have been found for PKC beta I WT.

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### Data and Source Information

Source: [Addgene](#)

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## Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Niemeyer A, et al. (2019) Receptor-specific regulation of atrial GIRK channel activity by different Ca<sup>2+</sup>-dependent PKC isoforms. Cellular signalling, 64, 109418.

Wallroth A, et al. (2019) Protein kinase N controls a lysosomal lipid switch to facilitate nutrient signalling via mTORC1. Nature cell biology, 21(9), 1093.

Schaffer TB, et al. (2018) PKC $\gamma$  Inhibits Neuronal Dendritic Spine Development through Dual Phosphorylation of Ephexin5. Cell reports, 25(9), 2470.

Evensen NA, et al. (2013) Unraveling the role of KIAA1199, a novel endoplasmic reticulum protein, in cancer cell migration. Journal of the National Cancer Institute, 105(18), 1402.