# Resource Summary Report

Generated by NIF on Jul 30, 2026

## PKC beta I WT

RRID:Addgene_16378
Type: Plasmid

### Proper Citation

RRID:Addgene_16378

### 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:** 20260725T074149+0000

### 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.

### 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 .

Niemeyer A, et al. (2019) Receptor-specific regulation of atrial GIRK channel activity by different Ca2+-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?? 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.