

Product: PKC nu, active
Catalog #: 02-2050
Amount: 5 µg

DESCRIPTION: PKC nu, also known as PKD3, is a members of the protein kinase C (PKC) family of serine/threonine kinases that play critical roles in the regulation of cellular differentiation and proliferation in many cell types. PKC nu is composed of 890 amino acid residues and the protein has 77.3% similarity to human PKC mu (PKC mu) and 77.4% similarity to mouse PKD (1). The PKC nu mRNA is ubiquitously expressed in various tissues and the gene is located between markers WI-9798 and D2S177 on chromosome 2p21 region. The gene accession number is [NM 005813](#)
Gene Aliases: EPK2; PRKCN

SOURCE: Recombinant full-length human PKC nu was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag

MOLECULAR WEIGHT: 142 kDa

PURITY: > 80% (by densitometry)

FORM: Purified, in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol

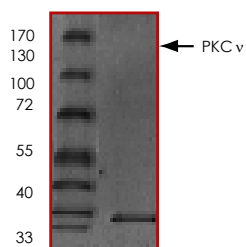
CONCENTRATION: 0.1 mg/ml

SPECIFIC ACTIVITY: 94 nmol/mim/mg

STORAGE: -70°C (aliquot). AVOID repeated Freeze/thaw cycles

REFERENCE:

1. Hayashi, A. et al: PKCnu, a new member of the protein kinase C family, composes a fourth subfamily with PKCmu. Biochim Biophys Acta. 1999 May 6;1450(1):99-106



This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.