

Datasheet for ABIN7317066  
**PKD2 Protein (GST tag,His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	50 µg
Target:	PKD2
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PKD2 protein is labelled with GST tag,His tag.

## Product Details

Purpose:	Recombinant Human PRKD2/PKD2 Protein (His & GST Tag)(Active)
Sequence:	Met 1-Leu 878
Characteristics:	A DNA sequence encoding the amino acid sequence (Met 1-Leu 878) of human PRKD2 (NP_057541.2) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 82 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	The specific activity was determined to be >30 nmol/min/mg using synthetic CREBtide peptide (KRREILSRPSYR) as substrate.

## Target Details

Target:	PKD2
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## Target Details

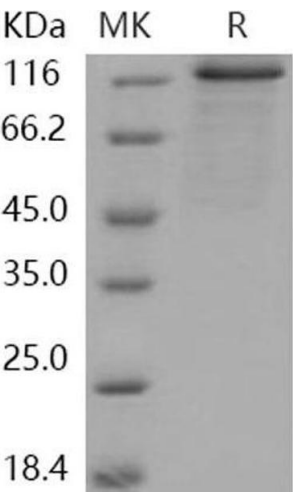
Alternative Name:	PRKD2/PKD2 ( <a href="#">PKD2 Products</a> )
Background:	<p>Background: Serine/threonine-protein kinase D2, also known as PRKD2 and PKD2, is a cytoplasm and membrane protein which belongs to the protein kinase superfamily, CAMK Ser/Thr protein kinase family and PKD subfamily. PRKD2 / PKD2 is widely expressed. It contains one PH domain, two phorbol-ester/DAG-type zinc fingers and one protein kinase domain. PRKD2 / PKD2 is activated by DAG and phorbol esters. Phorbol-ester/DAG-type domains bind DAG, mediating translocation to membranes. Autophosphorylation of Ser-710 and phosphorylation of Ser-706 by PKC relieves auto-inhibition by the PH domain. PRKD2 / PKD2 converts transient diacylglycerol (DAG) signals into prolonged physiological effects, downstream of PKC. Involved in resistance to oxidative stress.</p> <p>Synonym: HSPC187;nPKC-D2;PKD2</p>
Molecular Weight:	124 kDa
NCBI Accession:	<a href="#">NP_057541</a>
Pathways:	<a href="#">cAMP Metabolic Process</a> , <a href="#">Maintenance of Protein Location</a> , <a href="#">Negative Regulation of Transporter Activity</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Frozen, Liquid
Buffer:	Supplied as sterile 50 mM Tris, 500 mM NaCl, 0.5 mM PMSF, 10 % glycerol, pH 8.0
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.