

Datasheet for ABIN7597142

## PKD2 Protein (DYKDDDDK Tag, Strep Tag)



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### Overview

Quantity:	10 µg
Target:	PKD2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This PKD2 protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	ELISA, Cryogenic electron microscopy (cryo-EM), Immunogen (Imm), Phage Display (PhD), Surface Plasmon Resonance (SPR)

### Product Details

Purpose:	Human PKD2-Strep full length protein-synthetic nanodisc
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### Target Details

Target:	PKD2
Alternative Name:	PKD2 ( <a href="#">PKD2 Products</a> )
Background:	<p>APKD2, PC2, PKD4, Pc-2, TRPP2</p> <p>This gene encodes a member of the polycystin protein family. The encoded protein is a multi-pass membrane protein that functions as a calcium permeable cation channel, and is involved in calcium transport and calcium signaling in renal epithelial cells. This protein interacts with polycystin 1, and they may be partners in a common signaling cascade involved in tubular morphogenesis. Mutations in this gene are associated with autosomal dominant polycystic kidney disease type 2. [provided by RefSeq, Mar 2011]</p>

## Target Details

Molecular Weight:	The human full length PKD2-Strep protein has a MW of 109.7 kDa
UniProt:	<a href="#">Q13563</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

Comment:	<p>Advantages:</p> <ul style="list-style-type: none"><li>• Highly purified membrane proteins</li><li>• High solubility in aqueous solutions</li><li>• High stability</li><li>• Proteins are in a native membrane environment and remain biologically active</li><li>• No detergent and can be used for cell-based assays</li><li>• No MSP backbone proteins</li><li>• Mammalian cell expression system ensures post- translational modifications</li></ul>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Buffer:	Solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).</p> <p>Lyophilized proteins are shipped at ambient temperature.</p>
Expiry Date:	12 months