

Human PC2/Polycystin-2 Protein-Nanodisc

Cat. No. PC2-HM10N

Description

Source Recombinant Human PC2/Polycystin-2 Protein-Nanodisc is expressed from HEK293 with His tag at the C-terminus.

It contains Met1-Val968.

Accession Q13563-1

Molecular Weight The protein has a predicted MW of 111.6 kDa.

Endotoxin Less than 1EU per μg by the LAL method.

Formulation and Storage

Formulation Supplied as 0.22 μm filtered solution in PBS (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.

Storage Valid for 12 months from date of receipt when stored at -80°C . Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

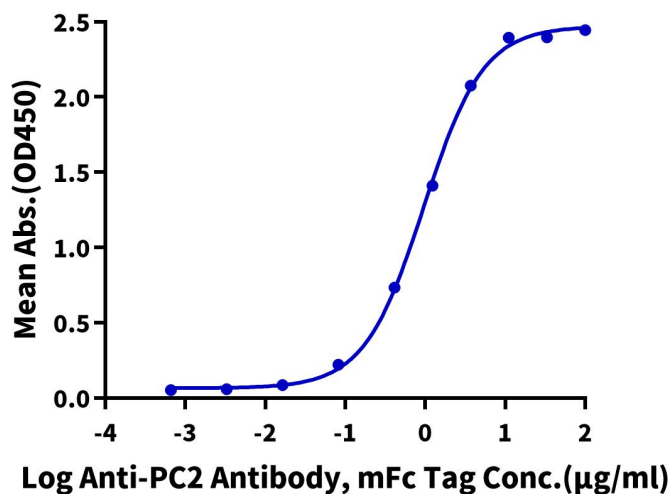
Polycystin-2 (PC2) is a calcium channel that can be found in the endoplasmic reticulum, the plasmatic membrane, and the primary cilium. Functions include receptor-operated, nonselective cation channel activity in the plasma membrane, intracellular Ca^{2+} release channel activity in the endoplasmic reticulum (ER), and mechanosensitive channel activity in the primary cilium of renal epithelial cells.

Assay Data

ELISA Data

Human PC2 Nanodisc, His Tag ELISA

1 μg Human PC2 Nanodisc, His Tag Per Well



Immobilized Human PC2 Nanodisc, His Tag at 10 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the plate. Dose response curve for Anti-PC2 Antibody, mFc Tag with the EC_{50} of 0.96 $\mu\text{g}/\text{ml}$ determined by ELISA (QC Test).