

Product Information

MemDX™ Membrane Protein Human PKD2, His tag

Cat. No.: **MP1505F**

This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human PKD2 membrane protein. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

PKD2

Protein Length

Full Length

Protein Class

Ion channel; Transport

TMD

6

Product Description

Tag

His tag

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

PKD2

Full Name

Polycystin 2, transient receptor potential cation channel

Introduction

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.

Alternative Names

PC2; PKD4; Pc-2; APKD2; TRPP2; polycystin-2; autosomal dominant polycystic kidney disease type II protein; polycystic kidney disease 2 (autosomal dominant); transient receptor potential cation channel subfamily P member 2

Gene ID

[5311](#)

UniProt ID

[Q13563](#)