

PRODUCT INFORMATION

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| Tag                          | <b>Warning:</b> Undefined variable \$hasAttributeValueDescription in C:\wwwroot\mirror.dimabio.com\wp-content\plugins\woocommerce-print-products\public\class-woocommerce-print-products-public.php on line 2806<br>C-Flag&Strep Tag                                                                                                                                                                                                                                                                                             |
| Target                       | PKD2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Synonyms                     | APKD2, PC2, PKD4, Pc-2, TRPP2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Description                  | Human PKD2-Strep full length protein-synthetic nanodisc                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Delivery                     | 6-8weeks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Uniprot ID                   | Q13563                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Expression Host              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Protein Families             | Ion Channels: Transient receptor potential                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Protein Pathways             | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Molecular Weight             | The human full length PKD2-Strep protein has a MW of 109.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Formulation & Reconstitution | Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.                                                                                                                                                                                                                                                                                 |
| Storage & Shipping           | 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). Lyophilized proteins are shipped at ambient temperature.                                                                                                                                                                                                                                                                              |
| Background                   | 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) |
| Usage                        | Research use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Conjugate                    | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

