

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                       | AQP1                                                                                                                                                                                                                                                                                                                                     |
| Synonyms                     | AQP-CHIP, CHIP28, CO                                                                                                                                                                                                                                                                                                                     |
| Description                  | Human AQP1-Strep full length protein-synthetic nanodisc                                                                                                                                                                                                                                                                                  |
| Delivery                     | 6~8weeks                                                                                                                                                                                                                                                                                                                                 |
| Uniprot ID                   | P29972                                                                                                                                                                                                                                                                                                                                   |
| Expression Host              | HEK293                                                                                                                                                                                                                                                                                                                                   |
| Protein Families             | Ion Channels: Other                                                                                                                                                                                                                                                                                                                      |
| Protein Pathways             | N/A                                                                                                                                                                                                                                                                                                                                      |
| Molecular Weight             | The human full length AQP1-Strep protein has a MW of 28.5 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 small integral membrane protein with six bilayer spanning domains that functions as a water channel protein. This protein permits passive transport of water along an osmotic gradient. This gene is a possible candidate for disorders involving imbalance in ocular fluid movement. [provided by RefSeq, Aug 2016] |
| Usage                        | Research use only                                                                                                                                                                                                                                                                                                                        |
| Conjugate                    | Unconjugated                                                                                                                                                                                                                                                                                                                             |

