

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                       | ASIC4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Synonyms                     | ACCN4, BNAC4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Description                  | Human ASIC4-Strep full length protein-synthetic nanodisc                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Delivery                     | 6-8weeks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Uniprot ID                   | Q96FT7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Expression Host              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Protein Families             | Ion Channels: Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Protein Pathways             | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Molecular Weight             | The human full length ASIC4-Strep protein has a MW of 70.1 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 belongs to the superfamily of acid-sensing ion channels, which are proton-gated, amiloride-sensitive sodium channels. These channels have been implicated in synaptic transmission, pain perception as well as mechanoperception. This gene is predominantly expressed in the pituitary gland, and was considered a candidate for paroxysmal dystonic choreoathetosis (PDC), a movement disorder, however, no correlation was found between mutations in this gene and PDC. [provided by RefSeq, Feb 2012] |
| Usage                        | Research use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Conjugate                    | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

