

## PRODUCT INFORMATION

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|---|---|
| <b>Tag</b>                              | C-Flag&Strep Tag  |
| <b>Target</b>                           | CACB3   |
| <b>Synonyms</b>                         | CAB3, CACNLB3   |
| <b>Description</b>                      | Human CACB3-Strep full length protein-synthetic nanodisc  |
| <b>Delivery</b>                         | 6~8weeks  |
| <b>Uniprot ID</b>                       | P54284  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Protein Families</b>                 | Ion Channels: Other   |
| <b>Protein Pathways</b>                 | N/A   |
| <b>Molecular Weight</b>                 | The human full length CACB3-Strep protein has a MW of 54.5 kDa  |
| <b>Formulation &amp; Reconstitution</b> | 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.  |
| <b>Storage&amp;Shipping</b>             | 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.   |
| <b>Background</b>                       | This gene encodes a regulatory beta subunit of the voltage-dependent calcium channel. Beta subunits are composed of five domains, which contribute to the regulation of surface expression and gating of calcium channels and may also play a role in the regulation of transcription factors and calcium transport. [provided by RefSeq, Oct 2011] |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |

