

Datasheet for ABIN7596982

CACNB1 Protein (DYKDDDDK Tag, Strep Tag)



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Overview

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|-------------------------------|---|
| Quantity: | 10 µg |
| Target: | CACNB1 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Synthetic Nanodisc |
| Purification tag / Conjugate: | This CACNB1 protein is labelled with DYKDDDDK Tag, Strep Tag. |
| Application: | ELISA, Surface Plasmon Resonance (SPR), Phage Display (PhD), Immunogen (Imm), Cryogenic electron microscopy (cryo-EM) |

Product Details

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| Purpose: | Human CACB1-Strep full length protein-synthetic nanodisc |
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Target Details

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|-------------------|--|
| Target: | CACNB1 |
| Alternative Name: | CACB1 (CACNB1 Products) |
| Background: | <p>CAB1, CACNLB1, CCHLB1</p> <p>The protein encoded by this gene belongs to the calcium channel beta subunit family. It plays an important role in the calcium channel by modulating G protein inhibition, increasing peak calcium current, controlling the alpha-1 subunit membrane targeting and shifting the voltage dependence of activation and inactivation. Alternative splicing occurs at this locus and three transcript variants encoding three distinct isoforms have been identified. [provided by RefSeq, Jul 2008]</p> |

Target Details

Molecular Weight: The human full length CACB1-Strep protein has a MW of 65.7 kDa

UniProt: [Q02641](#)

Application Details

Comment: Advantages:

- Highly purified membrane proteins
- High solubility in aqueous solutions
- High stability
- Proteins are in a native membrane environment and remain biologically active
- No detergent and can be used for cell-based assays
- No MSP backbone proteins
- Mammalian cell expression system ensures post- translational modifications

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: 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.

Expiry Date: 12 months