

Datasheet for ABIN7597104

SCN4B Protein (DYKDDDDK Tag, Strep Tag)



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Overview

Quantity:	10 µg
Target:	SCN4B
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This SCN4B protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	Surface Plasmon Resonance (SPR), Phage Display (PhD), ELISA, Immunogen (Imm), Cryogenic electron microscopy (cryo-EM)

Product Details

Purpose:	Human SCN4B-Strep full length protein-synthetic nanodisc
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Target Details

Target:	SCN4B
Alternative Name:	SCN4B (SCN4B Products)
Background:	<p>ATFB17, LQT10, Navbeta4</p> <p>The protein encoded by this gene is one of several sodium channel beta subunits. These subunits interact with voltage-gated alpha subunits to change sodium channel kinetics. The encoded transmembrane protein forms interchain disulfide bonds with SCN2A. Defects in this gene are a cause of long QT syndrome type 10 (LQT10). Three protein-coding and one non-coding transcript variant have been found for this gene.[provided by RefSeq, Mar 2009]</p>

Target Details

Molecular Weight: The human full length SCN4B-Strep protein has a MW of 25 kDa

UniProt: [Q8IWT1](#)

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