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Product Information

MemDX™ Membrane Protein Human SCN4B (Sodium voltage-gated channel beta subunit 4)

Full Length

Cat. No.: **MPC0706K**
This product is for research use only and is not intended for diagnostic use.

This product is a 24.9 kDa Human SCN4B membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
SCN4B

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
24.9 kDa

TMD
1

Sequence
MPGAGDGGKAPARWLGTGLLGLFLLPVTLSLEVSVGKATDIYAVNGTEIL
LPCTFSSCFGFEDLHFRWTYNSSDAFKILIEGTVKNEKSDPKVTLKDDDR
ITLVGSTKEKMNNISIVLRDLEFSDTGKYTCHVKNPKENNLQHHATIFLQ
VVDRLEEVDNTVTLIILAVVGGVIGLLILILLIKKLIIFILKKTREKKKE
CLVSSSGNDNTENGLPGSKAEEKPPSKV

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

SCN4B

Full Name

Sodium voltage-gated channel beta subunit 4

Introduction

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.

Alternative Names

LQT10; ATFB17; Navbeta4; sodium channel subunit beta-4; sodium channel, voltage-gated, type IV, beta subunit; SCN4B; Sodium voltage-gated channel beta subunit 4

Gene ID

6330

UniProt ID

Q8IWT1