

# Product Information

## MemDX™ Membrane Protein Human SCN1B (Sodium voltage-gated channel beta subunit 1)

### Full Length

Cat. No.: **MPC0700K**

This product is for research use only and is not intended for diagnostic use.

This product is a 24.7 kDa Human SCN1B 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

SCN1B

#### Protein Length

Full length

#### Protein Class

Transporter; Ion channel

#### Molecular Weight

24.7 kDa

#### TMD

1

#### Sequence

MGRLLALVGAALVSSACGGCVEVDSETEAVYGMTFKILCISCKRRSETN  
AETFTWTFRQKGTEEFVKILRYENEVLQLEEDERFEGRVVWNGSRGTDK  
LQDLSIFITNVTYNHSGDYECHVYRLLFFENYEHNTSVVKKIHIEVVDKA  
NRDMASIVSEIMMYVLIVLTIWLVAEMIYCYKKIAAATETAAQENASEY  
LAITSESKENCTGVQVAE

### 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**

SCN1B

**Full Name**

Sodium voltage-gated channel beta subunit 1

**Introduction**

Voltage-gated sodium channels are heteromeric proteins that function in the generation and propagation of action potentials in muscle and neuronal cells. They are composed of one alpha and two beta subunits, where the alpha subunit provides channel activity and the beta-1 subunit modulates the kinetics of channel inactivation. This gene encodes a sodium channel beta-1 subunit. Mutations in this gene result in generalized epilepsy with febrile seizures plus, Brugada syndrome 5, and defects in cardiac conduction. Multiple transcript variants encoding different isoforms have been found for this gene.

**Alternative Names**

DEE52; ATFB13; BRGDA5; EIEE52; GEFSP1; sodium channel subunit beta-1; sodium channel, voltage gated, type I beta subunit; sodium channel, voltage-gated, type I, beta; SCN1B; Sodium voltage-gated channel beta subunit 1

**Gene ID**

[6324](#)

**UniProt ID**

[Q07699](#)