

Product datasheet

Recombinant Human SCN3B protein ab171585

1 Image

Description

Product name	Recombinant Human SCN3B protein
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>Q9NY72</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MGSSHHHHHH SSGLVPRGSH MGSFPVCVEV PSETEAVQGN PMKLRRCISM KREEVEATTV VEWFYRPEGG KDFLIYEYRN GHQEVESPFQ GRLQWNGSKD LQDVSITVLN VTLNDSGLYT CNVSREFEFE AHRPFVKTTT LIPLRVTEEA GEDFTSVVSE</p>
Predicted molecular weight	18 kDa including tags
Amino acids	23 to 159
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab171585** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

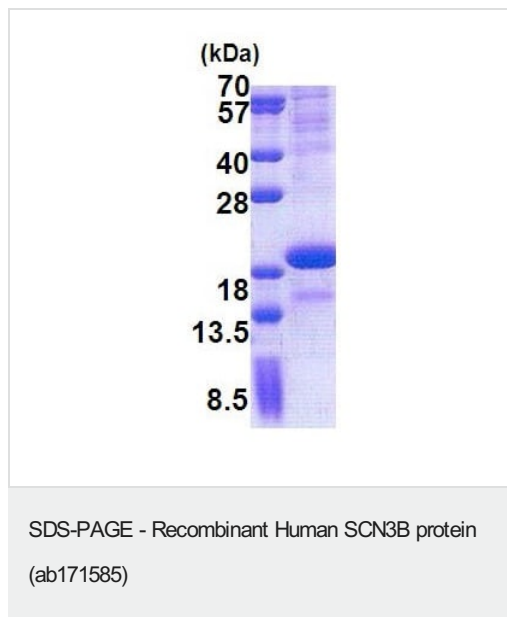
Stability and Storage	<p>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.</p> <p>pH: 8.00</p>
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Constituents: 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine)

General Info

Function	Modulates channel gating kinetics. Causes unique persistent sodium currents. Inactivates the sodium channel opening more slowly than the subunit beta-1. Its association with neurofascin may target the sodium channels to the nodes of Ranvier of developing axons and retain these channels at the nodes in mature myelinated axons.
Involvement in disease	Defects in SCN3B are the cause of Brugada syndrome type 7 (BRGDA7) [MIM:613120]. A tachyarrhythmia characterized by right bundle branch block and ST segment elevation on an electrocardiogram (ECG). It can cause the ventricles to beat so fast that the blood is prevented from circulating efficiently in the body. When this situation occurs (called ventricular fibrillation), the individual will faint and may die in a few minutes if the heart is not reset.
Sequence similarities	Belongs to the sodium channel auxiliary subunit SCN3B (TC 8.A.17) family. Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
Cellular localization	Membrane.

Images



15% SDS-PAGE analysis of ab171585 at (3µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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