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## Product Data Sheet

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Product Name: SCN3B Human  
 Cat. No.: GP24563  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Sodium channel subunit beta-3 precursor; Sodium channel; voltage-gated; type III; beta subunit; HSA243396; SCNB3; KIAA1158.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSFPVCVEV PSETEAVQGN PMKLRCISCM KREEVEATTV VEWFYRPEGG KDFLIYEYRN GHQEVESEPFQ GRLQWNGSKD LQDVSITVLN VTLNDSGLYT CNVSRFEFE AHRPFVKTTTR LIPLRVTEEA GEDFTSVVSE.		
Formulation	The SCN3B solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

### Introduction

Voltage-gated sodium channels are transmembrane glycoprotein complexes composed of a large alpha subunit and one or more regulatory beta subunits. SCN3B is a part of the sodium channel beta subunit gene family whose members are responsible for the generation and propagation of action potentials in neurons and muscle. SCN3B influences the inactivation kinetics of the sodium channel.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

SCN3B Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 160 amino acids (23-159) and having a molecular mass of 18.1kDa. SCN3B is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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