
Product Data Sheet

Product Name: SCN3B Human, Sf9

Cat. No.: GP24564

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
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	ADFPVCVEV PSETEAVQGN PMKLRICISM KREEVEATTV VEWFYRPEGG KDFLIYEYRN GHQEVESPFQ GRLQWNGSKD LQDVSITVLN VTLNDSGLYT CNVSREFEFE AHRPFVKTR LIPLRVTEEA GEDFTSVVSE HHHHHH.		
Formulation	SCN3B protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) 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 Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 146 amino acids (23-159a.a.) and having a molecular mass of 16.8kDa (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). SCN3B is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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

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