

PRODUCT INFORMATION

C-Flag&Strep Tag Tag

SCNBA Target

Synonyms FEPS3, HSAN7, NAV1.9, NaN, PN5, SCN12A, SNS-2 Human SCNBA-Strep full length protein-synthetic

Description nanodisc

Delivery 6~8weeks **Uniprot ID Q9UI33 Expression Host HEK293**

Ion Channels: Sodium **Protein Families**

Protein Pathways N/A

The human full length SCNBA-Strep protein has a **Molecular Weight**

MW of 204.9 kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before Formulation & Reconstitution lyophilization. Please see Certificate of Analysis

Store at -20°C to -80°C for 12 months in

lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

Voltage-gated sodium channels are transmembrane glycoprotein complexes composed of a large alpha subunit with 24 transmembrane domains and one or more regulatory beta subunits. They are responsible for the generation and propagation of action potentials in neurons and muscle. This gene encodes one member of the sodium channel alpha subunit gene family, and is highly

expressed in nociceptive neurons of dorsal root ganglia and trigeminal ganglia. It mediates brain-**Background**

derived neurotrophic factor-evoked membrane depolarization and is a major effector of peripheral inflammatory pain hypersensitivity. Mutations in this gene have been associated with hereditary sensory and autonomic neuropathy type VII and familial episodic pain syndrome-3

Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2017]

Usage Research use only Conjugate Unconjugated



