PRODUCT INFORMATION

Tag	C-Flag Tag
Target	SCN1B
Synonyms	ATFB13, BRGDA5, DEE52, EIEE52, GEFSP1
Description	Human SCN1B full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	Q07699
Expression Host	HEK293
Protein Families	Ion Channels: Sodium
Protein Pathways	N/A
Molecular Weight	The human full length SCN1B protein has a MW of 24.7kDa
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Storage & Shipping	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). Lyophilized proteins are shipped at ambient temperature.
Background	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.[provided by RefSeq, Oct 2009]
Usage	Research use only
Conjugate	Unconjugated

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