

Recombinant Full Length Human SCN1B Protein, GST-tagged

Cat. No. SCN1B-6782HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human SCN1B full-length ORF (NP_001028.1, 1 a.a. - 218 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	218 amino acids
Description	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.
Molecular Mass	49.61 kDa
AA Sequence	MGRLLALVVGAAALVSSACGGCVEVDSETEAVYGMTFKILCISCKRRSETNAETFTW TFRQKGTEEFVKILRYENEVLQLEEDERFEGRVVWNGSRGTKDLQDLSIFITNVTYN HSGDYECHVYRLLFFENYEHNTSVVKKIHIEVVDKANRDMASIVSEIMMYVLIVLTIW LVAEMICYKKIAAATETAAQENASEYLAITSESKENCTGVQVAE

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	SCN1B sodium voltage-gated channel beta subunit 1 [Homo sapiens (human)]
Official Symbol	SCN1B
Synonyms	ATFB13; BRGDA5; EIEE52; GEFSP1;
Gene ID	6324
mRNA Refseq	NM_001037
Protein Refseq	NP_001028
MIM	600235
UniProt ID	Q07699

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