

## Recombinant Human SCN3B Protein, Fc-tagged

Cat. No. SCN3B-544H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human SCN3B (Q9NY72) extracellular domain (Met 1-Glu 159) was fused with the Fc region of human IgG1 at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-159 a.a.
<b>Predicted N Terminal</b>	Phe 23
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
<b>Molecular Mass</b>	The recombinant human SCN3B/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 378 amino acids and has a predicted molecular mass of 42.5 kDa. The apparent molecular mass of the reduced monomer is approximately 50-55 kDa in SDS-PAGE under reducing conditions due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>96 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [SCN3B sodium channel, voltage gated, type III beta subunit \[ Homo sapiens \]](#)

**Official Symbol** [SCN3B](#)

**Synonyms** [SCNB3](#); [ATFB16](#); [BRGDA7](#); [HSA243396](#); sodium channel, voltage-gated, type III, beta subunit; voltage-gated sodium channel beta-3 subunit

**Gene ID** [55800](#)

**mRNA Refseq** [NM\\_001040151](#)

**Protein Refseq** [NP\\_001035241](#)

**MIM** [608214](#)

**UniProt ID** [Q9NY72](#)

**Chromosome Location** 11q23.3

**Pathway** Axon guidance, organism-specific biosystem; Cardiac conduction, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem

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