

## Product datasheet for **TP323114M**

### SCN3B (NM\_001040151) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens sodium channel, voltage-gated, type III, beta (SCN3B), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223114 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MPAFNRLFPLASLVLIYWVSVCFVPCVEVPSETEAVQGNPMKLRRCISCMKREEVEATTVVEWFYRPEGGK  
DFLIYEYRNGHQEVESPFQGRQLQWNGSKDLQDVSITVLNVTLNDSGLYTCNVSREFEFEAHRPFVKTTRL  
IPLRVTEEAGEDFTSVSEIMMYILLVFLTLWLLIEMIYCYRKVSKAEAAQENASDYLAIPSENKENS  
A  
VPVEE

**SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	22.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_001035241</a></u>
Locus ID:	55800



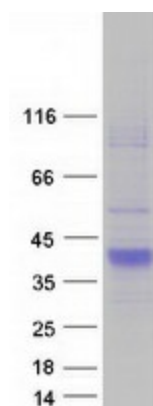
[View online »](#)

UniProt ID: [Q9NY72](#), [A0A024R3H7](#)  
RefSeq Size: 5682  
Cytogenetics: 11q24.1  
RefSeq ORF: 645  
Synonyms: ATFB16; BRGDA7; HSA243396; SCN3B

**Summary:** Voltage-gated sodium channels are transmembrane glycoprotein complexes composed of a large alpha subunit 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 beta subunit gene family, and influences the inactivation kinetics of the sodium channel. Two alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Ion Channels: Sodium, Transmembrane

### Product images:



Coomassie blue staining of purified SCN3B protein (Cat# [TP323114]). The protein was produced from HEK293T cells transfected with SCN3B cDNA clone (Cat# [RC223114]) using MegaTran 2.0 (Cat# [TT210002]).