

SCN3B, 23-159aa, Human, His-tag, Baculovirus

Cat.NO.: TP03863

3th Edition

Synonyms: Sodium channel subunit beta-3, SCN3B, ATFB16, BRGDA7, HSA243396, SCNB3

Description: SCN3B, also known as sodium channel subunit beta-3, is an additional auxiliary subunit of the voltage-sensitive sodium channel that modulates channel gating with distinct kinetics. It was detected in brain, heart, kidney, lung, pancreas and skeletal muscle. It is expressed in adult mammalian skeletal muscle and can functionally couple to the skeletal muscle alpha subunit, SkM1. It associates with neurofascin through their extracellular immunoglobulin-like domain. Recombinant human SCN3B, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 16.8kDa (146aa), 18-28kDa (SDS-PAGE under reducing conditions)

Sequences:

ADFPVCVEVPSETEAVQGNPMKLRCSMKREEVEATTVVEWFYRPEGGKDFLIYEYRNGHQEVESPFQGRLLQ
WNGSKDLQDVSITVLNVTLNDSGLYTCNVSREFEFEAHRPFVKTRLIPLRVTEEAGEDFTSVVSEHHHHHH

Purity: > 95% by HPLC

Concentration: 1mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.