

SCN3B, 23-159aa, Human, His tag, E.coli

Cat.NO.: TP03862

3th Edition

Synonyms:Sodium channel subunit beta-3 precursor, Sodium channel, voltage-gated, type III, beta subunit, HSA243396, SCN3B

Description: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. SCN3B is 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. Recombinant human SCN3B protein, fused to His-tag at N-terminus, was expressed in E.coli .

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Molecular Weight:18.1 kDa (160aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSPVCVEVPSETEAVQGNPMKLRCSMKREEVEATTVVEWFYRPEGGKDFL
IYEYRNGHQEVESPFQGRQLQWNGSKDLQDVSITVLNVTLNDSGLYTCNVSREFEFEAHRPFVKTTTRLIPLRVTEEA
GEDFTSVVSE

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

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.