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Recombinant human SCN3B protein

Catalog Number: ATGP2285

PRODUCT INFORMATION

Expression system
E.coli

Domain
23-159aa

UniProt No.
Q9NY72

NCBI Accession No.
NP_060870

Alternative Names
Sodium channel subunit beta-3 precursor, Sodium channel, voltage-gated, type III, beta subunit, HSA243396, SCNB3

PRODUCT SPECIFICATION

Molecular Weight
18.1 kDa (160aa)

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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expressed in E. coli.

Amino acid Sequence

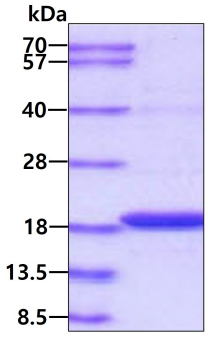
<MGSSHHHHHH SSGLVPRGSH MGS>FPVCVEV PSETEAVQGN PMKLRCISCM KREEVEATTV VEWFYRPEGG KDFLIYEYRN GHQEVESPFQ GRLQWNGSKD LQDVSITVLN VTLNDSGLYT CNVSREFEFE AHRPFVKTTR LIPLRVTEEA GEDFTSVVSE

General References

Morgan K. et al. (2000). u.S.A. 97:2308-2313
Wiemann S et al. (2001). Genome Res. 11:422-435

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.