

AR51109PU-S

Human SCN3B (23-159, His-tag) - Purified

Alternate names:

KIAA1158, Sodium channel subunit beta-3

Quantity:

50 µg

Concentration:

0.5mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q9NY72](#)

NCBI:

[NP_060870](#)

GeneID:

[55800](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Description:

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

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSFPVCVEV PSETEAVQGN PMKLRCISCM KREEVEATTV
VEWFYRPEGG KDFLIYEYRN GHQEVESPFQ GRLQWNGSKD LQDVSITVLN VTLNDSGLYT
CNVSREFEFE AHRPFVKTR LIPLRVTEEA GEDFTSVVSE

Molecular weight: 18.1 kDa (160aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

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

Pictures:

