

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Na⁺ CP type II β Peptide

Cat No.: BS5811P

Background

Voltage-gated sodium channels are selective ion channels that regulate the permeability of sodium ions in excitable cells. During the propagation of an action potential, sodium channels allow an influx of sodium ions, which rapidly depolarizes the cell. Na⁺ CP type II β (sodium channel, voltage-gated, typeII, β), also known as SCN2B, is a 215 amino acid single-pass type I membrane protein that plays a critical role in the expression and assembly of the heterotrimeric complex of the sodium channel and interacts with Tenascin-R to influence the clustering and regulation of sodium channels at nodes of Ranvier. Expressed specifically in brain, Na⁺ CP type II β contains one Ig-like C2-type (immunoglobulin-like) domain and is encoded by a gene that maps to human chromosome 11q23.3 and mouse chromosome 9 A5.2.

Swiss-Prot

O60939

Applications

Blocking

Specificity

This peptide can be used with studies using BS5811 Na⁺ CP type II β pAb.

Purification & Purity

Synthetic peptide Na⁺ CP type II β . (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.