

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Cacna2d1 (E139) Peptide

Cat No.: BS2857P

#### Background

Voltage-dependent calcium channels are essential for the release of neurotransmitters. Cacna2d1 (calcium channel, voltage-dependent,  $\alpha 2/\delta$  subunit 1), also known as CACNA2, CCHL2A, MHS3 or CACNL2A, is a 1,091 amino acid single-pass type I membrane protein that contains one VWFA domain and one cache domain. Expressed in skeletal muscle, aorta tissues and in the central nervous system (CNS), Cacna2d1 functions as an  $\alpha 2/\delta$  subunit of voltage-dependent calcium channels and plays an important role in calcium current density, as well as in excitation-contraction coupling. The Cacna2d1 precursor is proteolytically processed to produce two functional subunits, designated  $\alpha 2-1$  and  $\delta 1$ , which are disulfide-linked to one another.

#### Swiss-Prot

P54289

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS2857 Cacna2d1 (E139) pAb.

#### Purification & Purity

Synthetic peptide Cacna2d1 (E139). (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.

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