

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### CDK5 (G11) Peptide

Cat No.: BS3258P

#### Background

Cell cycle progression is controlled in part by a family of cyclin proteins and cyclin dependent kinases (Cdk). Cdk proteins work in concert with the cyclins to phosphorylate key substrates involved in each phase of cell cycle progression. Another family of proteins, Cdk inhibitors, also plays a role in regulating cell cycle by binding to cyclin-Cdk complexes and modulating their activity. Several Cdk proteins have been identified, including Cdk2-Cdk8, PCTAIRE-1-3, PITALRE and PITSLRE. Cdk5 is thought to be involved in the G1/S transition of the cell cycle and is highly expressed in mature neurons. Activity of Cdk5 increases significantly during neuronal differentiation. Cdk5 has been postulated to be a neurofilament or Tau protein kinase, based on its ability to phosphorylate these proteins in vitro.

#### Swiss-Prot

Q00535

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3258 CDK5 (G11) pAb.

#### Purification & Purity

Synthetic peptide CDK5 (G11). (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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