

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### PPP2R1B Peptide

Cat No.: BS5862P

#### Background

In eukaryotes, the phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions, including division, homeostasis and apoptosis. A group of proteins that are intimately involved in this process are the protein phosphatases. In general, the protein phosphatase (PP) holoenzyme is a trimeric complex composed of a regulatory subunit, a variable subunit and a catalytic subunit. Four major families of protein phosphatase catalytic subunits have been identified, designated PP1, PP2A, PP2B (calcineurin) and PP2C. An additional protein phosphatase catalytic subunit, PPX (also known as PP4), is a putative member of a novel PP family. The PP2A family comprises subfamily members PP2A $\alpha$  and PP2A $\beta$ . The PP2A catalytic subunit associates with a variety of regulatory subunits. Regulatory subunits include PP2A-A $\alpha$  and -A $\beta$ , PP2A-B $\alpha$  and -B $\beta$ , PP2A-C $\alpha$  and -C $\beta$ , and PP2A-B56 $\alpha$  and -B56 $\beta$ .

#### Swiss-Prot

P30154

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS5862 PPP2R1B pAb.

#### Purification & Purity

Synthetic peptide PPP2R1B. (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.