

## PRODUCT DATA SHEET



Bioworld Technology CO., Ltd.

### PHKG1 (L283) Peptide

Cat No.: BS9194P

#### Background

PHKG1 (Phosphorylase kinase subunit  $\gamma$ 1), is a subunit of phosphorylase kinase (PHK) that belongs to the Ser/Thr protein kinase family. PHK is a hexadecameric protein composed of four  $\alpha$  chains, four  $\beta$  chains, four  $\gamma$  chains and four  $\delta$  chains. The  $\gamma$  chains are catalytic chains, the  $\alpha$  and  $\beta$  chains are regulatory chains and the  $\delta$  chains are calmodulins. PHKG1 contains two calmodulinbinding domains and one protein kinase domain. As the catalytic chain of PHK, PHKG1 is responsible for catalyzing the phosphorylation and activation of glycogen phosphorylase and therefore it plays an important role in the glycogenolytic pathway. Mutations in the gene encoding PHKG1 can lead to PHK deficiency and result in glycogen storage disease type 9C (GSD9C), also known as autosomal liver glycogenosis.

#### Swiss-Prot

Q16816

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS9194 PHKG1 (L283) pAb.

#### Purification & Purity

Synthetic peptide PHKG1 (L283). (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.