

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



PHKB Peptide

Cat No.: BS5854P

Background

Phosphorylase kinase is a hexadecameric enzyme that is comprised of four copies of four subunits that are encoded by four separate genes: PHKA, PHKB, PHKG, and PHKD. This serine/threonine specific kinase converts glycogen phosphorylase b to glycogen phosphorylase a, resulting in the release of glucose-1-phosphate from glycogen. PHKB (Phosphorylase b kinase regulatory subunit beta) is a 1093 amino acid subunit of phosphorylase kinase that, along with PHKA, has regulatory functions controlled by phosphorylation. Defects in the gene encoding PHKB are the cause of glycogen storage disease type 9B, which is also known as phosphorylase kinase deficiency of liver and muscle. This disease is characterized by a mild phenotype of hepatomegaly with only slightly elevated transaminase and plasma lipids, no clinical muscle involvement, and generally is correlated with a gradual improvement with increasing age. There are four isoforms of PHKB that are produced as a result of alternative splicing events.

Swiss-Prot

Q93100

Applications

Blocking

Specificity

This peptide can be used with studies using BS5854 PHKB pAb.

Purification & Purity

Synthetic peptide PHKB. (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.