

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### PITSLRE (K20) Peptide

Cat No.: BS1951P

#### Background

The PITSLRE  $\beta$ 1 protein, a distantly related member of the Cdk family of protein kinases, induces apoptosis after low levels of ectopic expression. Apoptosis, or programmed cell death, is similarly induced by ectopic expression of an amino terminal deletion mutant retaining the catalytic and carboxy terminal domains of PITSLRE  $\beta$ 1, but not by other mutants lacking Histone H1 kinase activity or by other Cdk family members. The terminology for the ten isoforms of the PITSLRE subfamily of proteins is based on the conserved PSTAIRE box region of Cdc2 p34. Depending on which of the PITSLRE genes produce the protein, the cDNA and protein are designated  $\alpha$ ,  $\beta$  or  $\gamma$  (i.e., PITSLRE A gene,  $\alpha$ ; PITSLRE B gene,  $\beta$  and PITSLRE C gene,  $\gamma$ ). Some of the isoforms such as PITSLRE  $\alpha$ 1 (T cells) and PITSLRE  $\beta$ 1 (B cells and brain), are expressed in specific cell types, while others are expressed ubiquitously.

#### Swiss-Prot

P21127

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS1951 PITSLRE (K20) pAb.

#### Purification & Purity

Synthetic peptide PITSLRE (K20). (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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