

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Clock (E270) Peptide

Cat No.: BS1873P

#### Background

Clock, a member of the basic-helix-loop-helix-PAS (bHLH-PAS) family of transcription factors, has also been identified as having circadian function. Mutations within the Clock gene have been shown to increase the length of the endogenous period and to cause a loss of rhythmicity of circadian oscillations. Clock contains a DNA-binding domain, a protein dimerization domain and a glutamine-rich C-terminal region, which indicates transactivation capabilities. It has been speculated that Clock may regulate circadian rhythmicity in combination with other proteins such as Per.

#### Swiss-Prot

O15516

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1873 Clock (E270) pAb.

#### Purification & Purity

Synthetic peptide Clock (E270). (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.