

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### PDE4C Peptide

Cat No.: BS5844P

#### Background

Phosphodiesterases (PDE) hydrolyze cAMP to 5'AMP and thus play a critical role in the regulation of intracellular cAMP. Division of the PDE superfamily by sequence homology and enzymatic properties yields 11 PDE families. A unique upstream conserved region (UCR) characterizes the PDE4 family. Four separate genes (A-D) encode the PDE4 enzymes, and alternative splicing generates short or long isoforms of each gene. Long PDE4 isoforms contain both UCR1 and UCR2 while short PDE4 isoforms possess only UCR2. Both UCR domains are necessary for dimerization of PDE4 isoforms. The human PDE4C gene maps to chromosome 19p13.1. The splice variants include isoforms PDE4C1-7.

#### Swiss-Prot

Q08493

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS5844 PDE4C pAb.

#### Purification & Purity

Synthetic peptide PDE4C. (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.