

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



UMP-CMP Kinase (E36) Peptide

Cat No.: BS1975P

Background

Nucleoside monophosphate kinases are required for pharmacological activation of therapeutic nucleosides and nucleotide analogs. CMPK (Cytidine monophosphate kinase), also known as UMP-CMP kinase and Deoxycytidylate kinase, is a 196 amino acid protein that catalyzes the phosphoryl transfer from ATP to UMP, CMP and dCMP. This enzymatic reaction leads to the formation of ADP and the corresponding nucleoside diphosphate, which are required for cellular nucleic acid synthesis. Primarily localized to the cytoplasm, CMPK also plays an important role in the activation of pyrimidine analogs, which is clinically useful anti-cancer and anti-viral drugs. CMP is the best substrate for CMPK, followed by UMP and dCMP.

Swiss-Prot

P30085

Applications

Blocking

Specificity

This peptide can be used with studies using BS1975 UMP-CMP Kinase (E36) pAb.

Purification & Purity

Synthetic peptide UMP-CMP Kinase (E36). (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.