Bioworld Technology CO., Ltd.

CLK1 (R126) Peptide

Cat No.: BS2556P

Background

The CDC-like kinase 1 (CLK1) dually phosphorylates serine and arginine rich proteins of the spliceosomal complex, which constitutes a network of regulatory mechanisms that enable SR proteins to control RNA splicing. Specifically, CLK1 may mediate the release of specific proteins from nuclear storage sites. Expression of CLK1 may be very low due to a premature stop codon in the mRNA, which leads to nonsense-mediated mRNA decay. CLK1 activity is positively regulated by phosphorylation on either tyrosine residues or serine/ threonine residues, and is negatively regulated by steric constraints mediated by the N-terminal domain, and also by phosphorylation on a subset of serine/threonine residues within the catalytic domain.

Swiss-Prot

P49759

Applications

Blocking

Specificity

This peptide can be used with studies using BS2556 CLK1 (R126) pAb.

Purification & Purity

Synthetic peptide CLK1 (R126). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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