

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Topo III β -1 (Q84) Peptide

Cat No.: BS1908P

Background

DNA topoisomerases are nuclear enzymes that regulate the topological structure of DNA by transiently breaking and rejoining DNA strands. Although DNA topoisomerase I and DNA topoisomerase II relax both positive and negative supercoils, DNA topoisomerase III relaxes only negative supercoils. DNA topoisomerase III α exists as a long and a short isoform, which are produced by alternative splicing. DNA topoisomerase III α , which localizes to the nucleolus, is constitutively expressed and remains at high levels throughout the cell cycle in HL-60 cells. DNA topoisomerase III β exists as three isoforms, namely β 1, β 2 and β 3, also produced by alternative splicing. DNA topoisomerase III β 1 is expressed in testes, heart and skeletal muscle, whereas β 2 is expressed in thymus, kidney and pancreas.

Swiss-Prot

O95985

Applications

Blocking

Specificity

This peptide can be used with studies using BS1908 Topo III β -1 (Q84) pAb.

Purification & Purity

Synthetic peptide Topo III β -1 (Q84). (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.