

Native Human Topoisomerase II α

Cat. No. NATE-0710

Lot. No. (See product label)

Introduction

Description Topoisomerase II α (Topollα) is a gene product with conserved catalytic activities

and it promotes the progression of DNA damage. The α isoform is present in

proliferating cells.

Applications Topoisomerase II α has been used in a study to assess aging pr ocesses in the

human brain. Topoisomerase II α has also been used in a study to investigate its

activity in HIV-1 replication.

Synonyms type II DNA topoisomerase; DNA-gyrase; deoxyribonucleate topoisomerase;

deoxyribonucleic topoisomerase; topoisomerase; DNA topoisomerase II; DNA topoisomerase (ATP-hydrolysing); EC 5.99.1.3; Topoisomerase II α ; TOPO II

Product Information

Source Human

Form liquid; Solution in 10 mM Tris-HCl, pH 7.1, 0.25 M NaCl, 1 mM EDTA, 0.5 mM PMSF,

1 mM 2-mercaptoethanol, 10% glycerol.

EC Number EC 5.99.1.3

CAS No. 37318-49-3

Molecular Weight mol wt 170 kDa

Pathway Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific

biosystem; G0 and Early G1, organism-specific biosystem; Mitotic G1-G1/S phases,

organism-specific biosystem

Function ATP binding; DNA binding; DNA topoisomerase (ATP-hydrolyzing) activity; DNA-

dependent ATPase activity; chromatin binding; drug binding; enzyme binding; histone deacetylase binding; nucleotide binding; protein C-terminus binding; protein binding; protein heterodimerization activity; protein homodimerization activity; protein kinase C binding; sequence-specific DNA binding; structure-specific

1/1

DNA binding; ubiquitin binding

Unit Definition One unit will decatenate 0.2 μg of kinetoplast DNA in 30 minutes at 37°C.

Storage and Shipping Information

Storage −70°C

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