

Recombinant Human Topoisomerase (DNA) II Beta 180kDa

Cat. No. TOP2B-73H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Topo-II β encoding C-Terminal 300 amino acids expressed in <i>E.coli</i> . The Topo-II β is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
Description	Topo-II Beta plays important roles in synthesis and transcription of DNA as well as chromosomal segregation during mitosis. It is present ubiquitously in normal cells and is upregulated in tumors and proliferating cells. Topo II Beta is also implicated in drug resistance of tumor cells.
Physical Appearance	Sterile filtered liquid.
Formulation	Topo-II beta protein at 100 μ g/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 59kDa.
Applications	• ELISA • Inhibition Assays • Western Blotting.
Stability	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please avoid freeze-thaw cycles.

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GENE INFORMATION

Gene Name	TOP2B topoisomerase (DNA) II beta 180kDa [Homo sapiens]
Synonyms	TOPIIB; top2beta; TOP2B; DNA topoisomerase II, beta isozyme; topo II beta; antigen MLAA-44; topoisomerase IIb; topoisomerase II beta; U937 associated antigen; DNA topoisomerase II beta; DNA topoisomerase II, 180 Kd; EC 5.99.1.3;DNA topoisomerase 2-beta
Gene ID	7155
mRNA Refseq	NM_001068
Protein Refseq	NP_001059
MIM	126431
UniProt ID	Q02880
Chromosome Location	3p24
Function	ATP binding; DNA topoisomerase (ATP-hydrolyzing) activity; chromatin binding; histone deacetylase binding; nucleotide binding; protein C-terminus binding; protein heterodimerization activity; protein kinase C binding

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