

# Recombinant Human Topoisomerase (DNA) II Beta 180kDa

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human Topo-II $\beta$ encoding C-Terminal 300 amino acids expressed in <i>E.coli</i> . The Topo-II $\beta$ is purified by proprietary chromatographic techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Physical Appearance</b>	Sterile filtered liquid.
<b>Formulation</b>	Topo-II beta protein at 100 g/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
<b>Characterization</b>	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 59kDa.
<b>Applications</b>	• ELISA • Inhibition Assays • Western Blotting.
<b>Stability</b>	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

<b>Gene Name</b>	TOP2B topoisomerase (DNA) II beta 180kDa [ Homo sapiens ]
<b>Synonyms</b>	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
<b>Gene ID</b>	7155
<b>mRNA Refseq</b>	NM_001068
<b>Protein Refseq</b>	NP_001059
<b>MIM</b>	126431
<b>UniProt ID</b>	Q02880
<b>Chromosome Location</b>	3p24
<b>Function</b>	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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