

## Recombinant Human TOP1 protein, His-tagged

**Cat. No.** TOP1-351H    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**      DNA Topoisomerase-I Human Recombinant produced in SF9 is a glycosylated, polypeptide chain having a molecular mass of 91,576 Dalton (excluding glycosilation) 102 kDa total mass. The TOP1 is expressed with a -6xHis tag and purified by proprietary chromatographic techniques.

**Species**                      Human

**Source**                        Insect Cells

**Form**                          Sterile Filtered clear solution. Supplied in 16mM HEPES buffer pH-7.5, 400mM sodium chloride, and 20% glycerol.

**Purity**                        Greater than 95% as determined by SDS-PAGE.

**Storage**                      Store at 4 centigrade if entire vial will be used within 2-4 weeks. Store, frozen at -20 centigrade for longer periods of time. Avoid multiple freeze-thaw cycles.

### GENE INFORMATION

**Gene Name**                TOP1 topoisomerase (DNA) I [ Homo sapiens ]

**Official Symbol**          TOP1

**Synonyms**                  TOP1; topoisomerase (DNA) I; DNA topoisomerase 1; type I DNA topoisomerase; TOPI;

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Gene ID</b>	7150
<b>mRNA Refseq</b>	NM_003286
<b>Protein Refseq</b>	NP_003277
<b>MIM</b>	126420
<b>UniProt ID</b>	P11387
<b>Chromosome Location</b>	20q12-q13.1
<b>Pathway</b>	Caspase cascade in apoptosis, organism-specific biosystem;
<b>Function</b>	ATP binding; DNA binding; DNA topoisomerase (ATP-hydrolyzing) activity; DNA topoisomerase type I activity; chromatin DNA binding; chromatin binding; nucleotide binding; protein binding;

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