

## Recombinant Human TOP1 Protein, hexa-His-tagged

Cat. No. TOP1-01H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TOP1 70kDa protein is an enzyme fragment having a molecular mass of 69,199 Dalton (pH 9.4). TOP1 70kDa protein is fused to a hexa-histidine purification tag.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Description</b>	This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This enzyme catalyzes the transient breaking and rejoining of a single strand of DNA which allows the strands to pass through one another, thus altering the topology of DNA. This gene is localized to chromosome 20 and has pseudogenes which reside on chromosomes 1 and 22. [provided by RefSeq, Jul 2008]
<b>Molecular Mass</b>	70 kDa
<b>Purity</b>	Greater than 80% as determined by SDS-PAGE.
<b>Applications</b>	Western blot
<b>Storage</b>	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.
<b>Concentration</b>	0.5-0.8 g/ml

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**Storage Buffer** 16mM HEPES buffer pH-8.0, 400mM NaCl, and 20% glycerol.

## GENE INFORMATION

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

**Official Symbol** TOP1 topoisomerase (DNA) I [ Homo sapiens (human) ]

**Synonyms** TOP1; topoisomerase (DNA) I; DNA topoisomerase 1; EC 5.99.1.2; DNA topoisomerase I; TOP1; Scl-70; TOPI; type I DNA topoisomerase; EC 5.99.1.2

**Gene ID** 7150

**mRNA Refseq** NM\_003286

**Protein Refseq** NP\_003277

**MIM** 126420

**UniProt ID** P11387

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