Recombinant Human TOP1 Protein, hexa-His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Insect Cells
Description	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]
Molecular Mass	70 kDa
Purity	Greater than 80% as determined by SDS-PAGE.
Applications	Western blot
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.
Concentration	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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