

## Recombinant Human TOP1 protein(Lys191-Phe765), His-tagged

Cat. No. TOP1-1078H    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TOP1 (NP_003277.1) (Lys191-Phe765) was expressed in Insect Cells with a polyhistidine tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	Lys191-Phe765
<b>Form</b>	Lyophilized from sterile 20 mM Tris, 200 mM NaCl, 20 % glycerol, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant human TOP1 consists of 594 amino acids and predicts a molecular mass of 70.4 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## 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;

**Gene ID** 7150

**mRNA Refseq** NM\_003286

**Protein Refseq** NP\_003277

**MIM** 126420

**UniProt ID** P11387

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