

Recombinant Full Length Human TOP1 Protein (Met1-Phe765), His-tagged

Cat. No. TOP1-664H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TOP1 Protein (NP_003277.1) (Met1-Phe765) was produced by Baculovirus-Insect Cells expression system. This protein was expressed with a polyhistidine tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-765 aa
Predicted N Terminal	His
Form	Lyophilized from sterile 20 mM Tris, pH 7.5, 200 mM NaCl, 20 % glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human TOP1 consists of 784 amino acids and predicts a molecular mass of 93.1 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.

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Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

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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