

Recombinant Mouse Top1 Protein, His-tagged

Cat. No. Top1-465M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Top1 Protein (Met1-Ser252) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Ser252
Description	Enables DNA topoisomerase type I (single strand cut, ATP-independent) activity. Acts upstream of or within DNA replication; DNA topological change; and embryonic cleavage. Located in cytoplasm; nucleus; and perikaryon. Is expressed in brain; cerebral cortex ventricular layer; cortical plate; and telencephalon. Orthologous to human TOP1 (DNA topoisomerase I).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.1 kDa Accurate Molecular Mass: 34 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

Top1 topoisomerase (DNA) I [Mus musculus (house mouse)]

Official Symbol

Top1

Synonyms

TOP1; topoisomerase (DNA) I; DNA topoisomerase 1; DNA topoisomerase I; Top-1; AI467334; D130064I21Rik

Gene ID

21969

mRNA Refseq

NM_009408

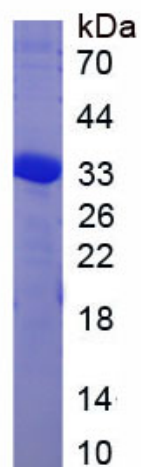
Protein Refseq

NP_033434

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