

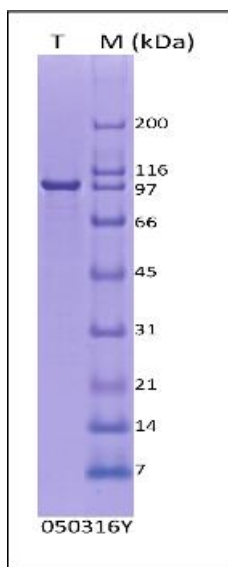
Recombinant Human Topoisomerase I (Sf9)

Catalog Number	Size
AG313-10	10ug
AG313-25	25ug
AG313-B	Bulk

Specifications and Use

Description

Recombinant human topoisomerase I produced in Sf9 cells is a single polypeptide chain with a 6His tag at the N-terminus. It contains 779 (15+764) amino acids having a predicted molecular mass of approximately 92.5kD, but migrates in SDS-PAGE with an apparent molecular mass of 105kD.



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MHHHHHHGRRASVEFSGDHLHNSQIEADFRNLNDSHKHKDKHKDREHRHKEHKKEKDR
EKSKHSNSEHKDSEKHKKEKEKTKHKDGSSEKHKDKHKDRDKEKRKEEKVRASGDAKI
KKEKENGSSPPQIKDEPEDDGYFVPPKEDIKPLKRPRDEDDADYKPKKIKTEDTKKEK
KRKLEEEEDGKLLKPKNKDKDKVPEPDNKKKKPKKEEQKWKWWEERYPEGIKWKF
LEHKGPVFAPPYEPLPENVKFYDGVKMLSPKAAEVATFFAKMLDHEYTTKEIFRKN
FFKDWKEMTNEEKNIITNLSKCDFTQMSQYFKAQTEARKQMSKEEKLKIKEENEKLL
KEYGFCIMDNHKERIANFKIEPPGLFRGRGNHPKMGMLKRRIMPEDIIINCSKDAKVP
SPPPGHKWKEVRHDNKVTLVSWTENIQGSIKYIMLNPSSRIKGEKDWQKYETARRLK
KCVDKIRNQYREDWKSKEMKVRQRAVALYFIDKLALRAGNEKEEGETADTVGCCSLRV
EHINLHPELDGQYVVEFDLFGKDSIRYYNKVPVEKRVFKNLQLFMENKQPEDDLFDR
LNTGILNKHLQDLMEGLTAKVFRTYNASITLQQQLKELTAPDENIPAKILSYNRANRA
VAAILCNHRAPPKTFEKSMNLQTKIDAKKEQLADARRDLKSAKADAKVMKDAKTKKV
VESKKKAVQRLEEQLMKLEVQATDREENKQIALGTSKLNLYLDPRIITVAWCKKWGVPIE
KIYNKTQREKFAWAIDMADEDYEF
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Accession Number

NM_003286

Source

Baculovirus

Molecular Mass

~100kDa

Purity

≥90%, as determined by SDS-PAGE

Biological Activity

DNA Topoisomerase I catalyzes the altering of the topology of DNA during transcription and replication. Recombinant Topo I protein is ideal for the studies of DNA topology and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% Glycerol, 100mM NaCl, 1mM DTT and 0.5mM EDTA

Storage

The protein sample can be stored under sterile conditions at 2- 8oC for one month or at -70oC for three months without detectable loss of activity.

Avoid repeated freeze-thaw cycles

Special Notes

FOR RESEARCH ONLY