



Recombinant Human Topoisomerase I (Sf9)

Catalog Number	Size
AG313-20	20ug
AG313-100	100ug
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.

MHHHHHGRRASVEFSGDHLHNSQIEADFRNLNDSHKHKDKHKDREHRHK
EHKKEKDREKSKHSNSEHKDSEKKHKEKEKTKHKDGSSEKHKDKHKDRDK
EKRKEEKVRASGDAKIKKEKENGFSPPQIKDEPEDDG YFVPPKEDIKPL
KRPRDEDDADYKPKKIKTEDTKKEKKRKL EEEEEEDGKLKPKNKDKDKKVP
EPDNKKKKPKKEEQKWKWWEERYPEGIKWKFLEHKGPVFAPPYEPLPE
NVKFYYDGKVMKLSPKAEEVATFFAKMLDHEYTTKEIFRKNFFKDWRKEM
TNEEKNIITNLSKCDFTQMSQYFKAQTEARKQMSKEEKLKIKEENEKLLK
EYGF CIMDNHKERIANFKIEPPGLFRGRGNHPKMGMMLKRRIMPEDIINC
SKDAKVPSPPPGHK WKEVRHDNKVTWLVSWTENIQGSIKYIMLNPSSRIK
GEKDWQKYETARRLKKCVDKIRNQYREDWKS KEMKVRQRAVALYFIDKLA
LRAGNEKEEGETADTVGCCSLRVEHINLHPELDGQEYVVEFDLFGKDSIR
YYNKVPVEKRVFKNLQLFMENKQPEDDLFDRLNTGILNKHLQDLMEGLTA
KVFRTYNASITLQQQLKELTAPDENIPAKILSYNRANRAVAILCNHQRAP
PKTFEKSMMNLQTKIDAKKEQLADARRDLKSAKADAKVMKDAKTKKVVES
KKKAVQRLEEQLMKLEVQATDREENKQIALGT SKLNYLDPRITVAWCKKW
GVPIEKIYNKTQREKFAWAIDMADEDYEF

Accession Number

NM_003286

Source

Baculovirus

Molecular Mass

~100kDa

Purity

≥90%, as determined by SDS-PAGE

Biological Activity

DNA Topoisomerase I catalyzes the latering 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- 8 oC for one month or at -70oC for three months without detectable loss of activity.

Avoid repeated freeze-thaw cycles

Special Notes

FOR RESEARCH ONLY