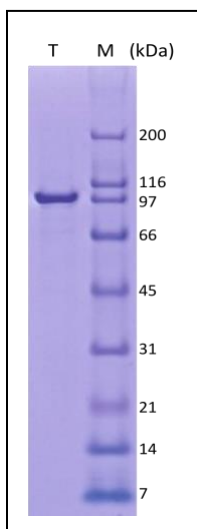


Recombinant DNA Topo I Protein

Catalog Number	Size
AG1036-10	10ug
AG1036-25	25ug
AG1036-B	Bulk

Description



The recombinant human Topoisomerase I (TOP1/Topo I) was expressed in the baculovirus system and purified by an affinity column in combination of other chromatograph methods. The resulted protein is a monomeric polypeptide of 779 (14+765) amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 100kDa.

MHHHHHHGRRASVEFGDHLHNSQIEADFRNLNDSHKHKDKHKDREHRHK
EHKKEKDREKSKHSNSEHKDSEKKHKEKEKTKHKDGSSEKHKDKHKDRDK
EKRKEEKVRASGDAKIKKEKENGFSPPQIKDEPEDDGYFVPPKEDIKPL
KRPRDEDDADYKPKKIKTEDTKKEKKRKLSEEDGKLKPKNKDKDKKVP
EPDNKKKKPKKEEQKWKWEEERYPEGIKWKFLHKGPFVAPPYEPLPE
NVKFYYDGKVMKLSPKAEVATFFAKMLDHEYTTKEIFRKNFFKDWRKEM
TNEEKNIITNLSKCDFTQMSQYFKAQTEARKQMSKEEKLKIKEENEKLLK
EYGFCIMDNHKERIANFKIEPPGLFRGRGNHPKMGMLKRRIMPEDIINC
SKDAKVPSPPPGHKWKVEVRHDNKVTWLVSWTENIQGSIKYIMLNPSRIK
GEKDWQKYETARRLKKCVDKIRNQYREDWKSKEMKVRQRAVALYFIDKLA
LRAGNEKEEGETADTVGCCSLRVEHINLHPELDGQEYVVEFDFLGKDSIR
YYNKVPVEKRVFKNLQLFMENKQPEDDLFDRNLNTGILNKLQDLMEGLTA
KVFTYNASITLQQQLKELTAPDENIPAKILSYNRANRAVAILCNHQRAP
PKTFEKSMMNLQTKIDAKKEQLADARRDLKSAKADAKVMKDAKTKKVVES
KKKAVQRLEEQLMKLEVQATDREENKQIALGTSKLNLYLDPKITVAWCKKW
GVPIEKIYNKTOREKFAWAIDMADEDYEF*

Accession Number

NM_003286

Molecular Mass

Approximately 100kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The DNA topoisomerase I (Topo I) is an enzyme that controls and alters the topologic states of DNA during transcription. The recombinant Topo I protein can be used for the studies of in vitro transcription, protein-protein interactions and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 150mM NaCl , 1mM DTT and 3mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. **(Avoid repeated freeze-thaw cycle)**

FOR RESEARCH USE ONLY!!!