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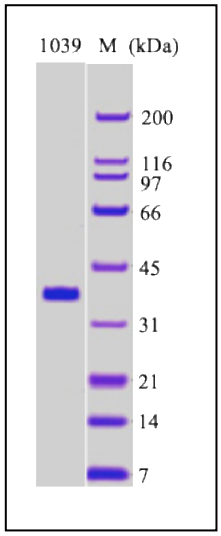
DNA Topo I (1-197) Protein

Catalog Number	Size
AG1039-10	10ug
AG1039-25	25ug
AG1039-B	Bulk

Description



The N-terminal domain (NTD) of human Topoisomerase I (1-197) 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 211 (15+196 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 38kDa.

MHHHHHHGRRASVEFSGDHLHNDSQIEADFRLNDSHKHKDKHKDREHRHK
EHKKEKDREKSKHSNSEHKDSEKKHKEKEKTKHKDGSSEKHKDKHKDRDK
EKRKEEKVRASGDAKIKKEKENGFSSPPQIKDEPEDDGYFVPPKEDIKPL
KRPRDEDDADYKPKKIKTEDTKKEKKRKLEEEEDGKLKKPKNKDKDKKVP
EPDNKKKKPKK*

Accession Number NM_003286

Molecular Mass Approximately 38kDa.

Purity ≥90%, as determined by SDS-PAGE.

Biological Activity The N-terminal domain (NTD) of Topo I is highly charged and involved in protein-protein interactions with numerous cellular proteins, including SV40 T antigen, nucleolin, SR proteins, p53 and other transcription factors. The recombinant NTD of Topo I protein can be used for in vitro transcription, pre-mRNA splicing and protein-protein interactions.

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!!!